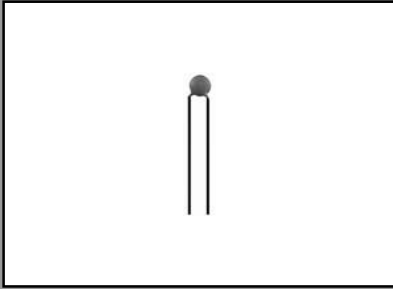
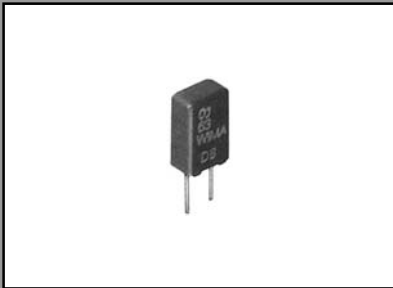


CAPACITORS

CERAMIC DISC CAPACITORS



POLYESTER CAPACITORS



ELECTROLYTIC CAPACITORS



CERAMIC TRIMMER CAPACITORS



TUNNING CAPACITORS



| | |
|-----------------------------|-------------|
| AXIAL ELECTROLYTIC CAPS | 2041 |
| CERAMIC DISC CAPS | 203 - 2031 |
| ELECTROLYTIC CAPS | 2037 - 2042 |
| HIGH K CERAMIC PLATE CAPS | 2030 |
| HIGH VOLTAGE DISC CAPS | 2031 - 2032 |
| LOW K CERAMIC PLATE CAPS | 2030 |
| MED K CERAMIC PLATE CAPS | 2030 |
| METALISED POLYESTER CAPS | 2033 - 2034 |
| MOTOR RUN CAPS | 2044 |
| NON-POLARISED ELECTRO' CAPS | 2040 |
| POLYESTER CAPS | 2032 - 2033 |
| POLYPROPELYENE CAPS | 2032 |
| POLYSTYRENE CAPS | 2044 |
| SMD TRIMMER CAPS | 2044 |
| SUPPRESSION CAPS | 2035 -2036 |
| TANTALUM BEAD CAPS | 2042 - 2043 |
| TRIMMER CAPS | 2043 - 2044 |

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SQUIRES MODEL & CRAFT TOOLS

CAPACITORS

MINIATURE LOW K CERAMIC PLATE CAPACITORS a range of miniature capacitors used for temperature compensation in tuned circuits and where high stability and close tolerances combined with low losses are important. Sold individually.

Technical Specification

| | |
|-------------------------|---|
| Tolerance | ± 0.25pF <8.2pF ± 2% for >10pF |
| Working Voltage | 100V dc |
| Temperature Coefficient | 0±30ppm/°C for < 18pF -150±30ppm/°C for 22pF to 150pF -750±120ppm/°C for >180pF |
| Temperature Range | -55°C to +85°C |
| Insulation Resistance | >10 ⁵ M |
| Lead Length | 13mm |
| Lead Diameter | 0.6mm |



| CODE | TYPE | Value | Width mm | Height mm | PRICE |
|---------|-------|-------|----------|-----------|-------|
| 540-010 | 1.8pF | 3.6 | 5.0 | £0.21 | |
| 540-015 | 2.2pF | 3.6 | 5.0 | £0.21 | |
| 540-020 | 3.3pF | 3.6 | 5.0 | £0.21 | |
| 540-025 | 4.7pF | 3.6 | 5.0 | £0.21 | |
| 540-030 | 6.8pF | 3.6 | 5.0 | £0.21 | |
| 540-035 | 10pF | 3.6 | 5.0 | £0.21 | |
| 540-040 | 12pF | 3.6 | 5.0 | £0.21 | |
| 540-045 | 15pF | 3.6 | 5.0 | £0.21 | |
| 540-050 | 18pF | 3.6 | 5.0 | £0.21 | |
| 540-055 | 22pF | 3.6 | 5.0 | £0.21 | |
| 540-060 | 27pF | 3.6 | 5.0 | £0.21 | |
| 540-065 | 33pF | 3.6 | 5.0 | £0.21 | |
| 540-070 | 39pF | 3.9 | 5.3 | £0.21 | |
| 540-075 | 47pF | 3.9 | 5.3 | £0.24 | |
| 540-080 | 56pF | 4.5 | 6.0 | £0.35 | |
| 540-085 | 68pF | 4.5 | 6.0 | £0.35 | |
| 540-090 | 82pF | 5.1 | 6.6 | £0.35 | |
| 540-095 | 100pF | 5.1 | 6.6 | £0.35 | |
| 540-100 | 120pF | 6.2 | 7.7 | £0.35 | |
| 540-105 | 150pF | 6.2 | 7.7 | £0.37 | |
| 540-110 | 180pF | 6.2 | 7.7 | £0.37 | |
| 540-115 | 220pF | 6.2 | 7.7 | £0.37 | |
| 540-120 | 270pF | 6.2 | 10.3 | £0.37 | |
| 540-125 | 330pF | 6.2 | 10.3 | £0.37 | |

MINIATURE MEDIUM K CERAMIC PLATE CAPACITORS a range of medium K ceramic plate capacitors to be employed where a small non-linear change of capacitance with temperature is permissible. Suited to decoupling applications. Lead pitch 2.54mm. Sold individually.

Technical Specification

| | |
|-------------------------|----------------|
| Tolerance | ± 10% |
| Working Voltage | 100V dc |
| Temperature Coefficient | ±15% |
| Temperature Range | -55°C to +85°C |
| Insulation Resistance | >4000MΩ |
| Lead Length | 13mm |
| Lead Diameter | 0.6mm |



| CODE | TYPE | Value | Width mm | Height mm | PRICE |
|---------|--------|-------|----------|-----------|-------|
| 542-205 | 470pF | 3.6 | 5.0 | £0.19 | |
| 542-210 | 680pF | 3.6 | 5.0 | £0.19 | |
| 542-215 | 1000pF | 3.6 | 5.0 | £0.19 | |
| 542-220 | 2200pF | 4.5 | 6.0 | £0.25 | |
| 542-225 | 3300pF | 5.1 | 6.6 | £0.29 | |
| 542-230 | 4700pF | 6.2 | 7.7 | £0.29 | |

MINIATURE HIGH K CERAMIC PLATE CAPACITORS a range of miniature high-K ceramic plate capacitors for applications where capacitance stability is not critical. Lead pitch 2.54mm. Sold individually.

Technical Specification

| | |
|-------------------------|----------------|
| Tolerance | -20% +80% |
| Working Voltage | 63V dc |
| Temperature Coefficient | -60% to +15% |
| Temperature Range | -55°C to +85°C |
| Insulation Resistance | >10MΩ |
| Lead Length | 13mm |
| Lead Diameter | 0.6mm |



| CODE | TYPE | Value | Width mm | Height mm | PRICE |
|---------|---------|-------|----------|-----------|-------|
| 542-235 | 1000pF | 3.6 | 5.0 | £0.21 | |
| 542-240 | 2200pF | 3.6 | 5.0 | £0.21 | |
| 542-245 | 4700pF | 3.6 | 5.0 | £0.21 | |
| 542-250 | 10000pF | 4.5 | 6.0 | £0.26 | |
| 542-255 | 22000pF | 6.2 | 7.7 | £0.26 | |

CERAMIC DISC CAPACITORS a range of general purpose disc ceramic capacitors manufactured from high dielectric constant ceramics. Durez coated and high temperature wax impregnated. Sold individually.

Technical Specification

| | |
|-------------------|--|
| Tolerance | 1.0-4.7pF ±0.25pF 6.8pF ±0.5pF 10pF - 3n3 ±10% |
| Working Voltage | 4n7 - 100n -20 + 80% 50V DC (100n 25V DC) |
| Temperature Range | -25 to +80°C |



| CODE | TYPE | Lead Pitch mm | PRICE |
|---------|-------|---------------|-------|
| 540-127 | 1.0pF | 2.5 | £0.15 |
| 540-129 | 2.2pF | 2.5 | £0.15 |
| 540-130 | 3.3pF | 2.5 | £0.15 |
| 540-132 | 4.7pF | 2.5 | £0.15 |
| 540-134 | 6.8pF | 2.5 | £0.15 |
| 540-135 | 10pF | 2.5 | £0.15 |
| 540-137 | 15pF | 2.5 | £0.15 |
| 540-139 | 22pF | 2.5 | £0.15 |
| 540-140 | 33pF | 2.5 | £0.15 |
| 540-142 | 47pF | 2.5 | £0.15 |
| 540-144 | 68pF | 2.5 | £0.15 |
| 540-200 | 100pF | 2.5 | £0.15 |
| 540-205 | 120pF | 2.5 | £0.15 |
| 540-210 | 150pF | 2.5 | £0.15 |
| 540-215 | 180pF | 2.5 | £0.15 |
| 540-220 | 220pF | 2.5 | £0.15 |
| 540-225 | 270pF | 2.5 | £0.15 |
| 540-230 | 330pF | 2.5 | £0.15 |
| 540-235 | 390pF | 2.5 | £0.15 |
| 540-240 | 470pF | 2.5 | £0.15 |
| 540-245 | 560pF | 2.5 | £0.15 |
| 540-250 | 680pF | 2.5 | £0.15 |
| 540-255 | 820pF | 2.5 | £0.15 |
| 540-260 | 1nF | 2.5 | £0.15 |
| 540-265 | 1n5 | 2.5 | £0.15 |
| 540-270 | 2n2 | 5.0 | £0.15 |
| 540-275 | 3n3 | 5.0 | £0.15 |
| 540-280 | 4n7 | 5.0 | £0.15 |
| 540-285 | 6n8 | 2.5 | £0.15 |
| 540-290 | 10nF | 5.0 | £0.15 |
| 540-295 | 10nF | 2.5 | £0.15 |
| 540-300 | 47nF | 5.0 | £0.15 |
| 540-305 | 100nF | 5.0 | £0.15 |

SQUIRES ELECTRONIC COMPONENTS

RADIAL MULTILAYER CERAMIC CAPACITORS miniature monolithic radial lead ceramic capacitors. Suitable for bypass, decoupling, filtering and timing circuits. Sold individually.

Technical Specification

| | | | |
|-------------------------|-----------------|-----------------|--------------|
| Dielectric | NPO | X7R | Y5V |
| Tolerance | ±5% | 10% | -20 +80% |
| Temperature coefficient | 30ppm/°C | ±20% | +22 -82% |
| Dissipation Factor | 0.15% 1MHz(1V) | 2.5% 1kHz(1V) | +5% 1kHz(1V) |
| Working Voltage | 100V | 100V | 50V |
| Temperature Range | -55°C to +125°C | -55°C to +125°C | 25°C to 85°C |
| Value | Dielectric | Wmax | Hmax Dmax |
| All values except | | | |
| 47nF and 100nF | NPO + X7R | 3.8 | 3.8 2.5 |
| 10nF to 100nF | Y5V | 3.8 | 3.8 2.5 |
| 47nF and 100nF | X7R | 5.1 | 6 3 |
| 220nF to 1µF | Y5V | 5.1 | 6 3 |



| CODE | TYPE | PITCH | PRICE |
|------------|-------|-------|-------|
| NPO | | | |
| 540-350 | 10pF | 2.5 | £0.20 |
| 03-0026 | 12pF | 2.5 | £0.20 |
| 03-0028 | 15pF | 2.5 | £0.20 |
| 03-0030 | 18pF | 2.5 | £0.20 |
| 540-355 | 22pF | 2.5 | £0.20 |
| 03-0032 | 27pF | 2.5 | £0.20 |
| 540-360 | 33pF | 2.5 | £0.20 |
| 03-0034 | 39pF | 2.5 | £0.20 |
| 540-365 | 47pF | 2.5 | £0.20 |
| 03-0036 | 56pF | 2.5 | £0.20 |
| 03-0038 | 68pF | 2.5 | £0.20 |
| 03-0040 | 82pF | 2.5 | £0.20 |
| 540-370 | 100pF | 2.5 | £0.20 |
| 03-0042 | 120pF | 2.5 | £0.20 |
| 03-0044 | 150pF | 2.5 | £0.20 |
| 03-0046 | 180pF | 2.5 | £0.20 |
| 540-375 | 220pF | 2.5 | £0.25 |
| 03-0048 | 270pF | 2.5 | £0.25 |
| 540-380 | 330pF | 2.5 | £0.25 |
| 540-385 | 470pF | 2.5 | £0.25 |
| 03-0050 | 680pF | 2.5 | £0.25 |
| X7R | | | |
| 03-0052 | 1nF | 2.5 | £0.20 |
| 03-0054 | 1nF | 5.0 | £0.20 |
| 03-0056 | 1n5 | 2.5 | £0.20 |
| 03-0058 | 1n5 | 5.0 | £0.20 |
| 03-0060 | 1n8 | 2.5 | £0.20 |
| 03-0062 | 1n8 | 5.0 | £0.20 |
| 03-0064 | 2n2 | 2.5 | £0.20 |
| 03-0066 | 2n2 | 5.0 | £0.20 |
| 03-0068 | 2n7 | 2.5 | £0.20 |
| 03-0072 | 3n3 | 2.5 | £0.20 |
| 03-0074 | 3n3 | 5.0 | £0.20 |
| 03-0076 | 4n7 | 2.5 | £0.20 |
| 03-0078 | 4n7 | 5.0 | £0.20 |
| 03-0080 | 10nF | 2.5 | £0.22 |
| 03-0082 | 10nF | 5.0 | £0.22 |
| 03-0084 | 22nF | 2.5 | £0.25 |
| 03-0086 | 22nF | 5.0 | £0.25 |
| 03-0088 | 47nF | 2.5 | £0.30 |
| 03-0090 | 47nF | 5.0 | £0.30 |
| 03-0092 | 100nF | 2.5 | £0.35 |
| 03-0094 | 100nF | 5.0 | £0.35 |
| Y5V | | | |
| 03-0096 | 10nF | 2.5 | £0.20 |
| 03-0098 | 10nF | 5.0 | £0.20 |
| 03-0100 | 22nF | 2.5 | £0.20 |
| 03-0102 | 22nF | 5.0 | £0.20 |
| 03-0104 | 47nF | 2.5 | £0.20 |
| 03-0106 | 47nF | 5.0 | £0.20 |
| 03-0108 | 100nF | 2.5 | £0.20 |
| 03-0110 | 100nF | 5.0 | £0.20 |
| 03-0112 | 200nF | 2.5 | £0.20 |

CONTINUED OVER

| | | | |
|---------|-------|-----|-------|
| 03-0114 | 220nF | 5.0 | £0.24 |
| 03-0116 | 470nF | 2.5 | £0.24 |
| 03-0118 | 470nF | 5.0 | £0.55 |
| 03-0120 | 1µF | 2.5 | £0.50 |
| 03-0122 | 1µF | 5.0 | £0.79 |

HIGH VOLTAGE DISC CERAMIC CAPACITORS suitable for high frequency decoupling and suppression in logic circuits due to their low inductance. Rated at 1000vdc (300vac). Sold individually.

Technical Specification

| | |
|-------------------|--------------------|
| Tolerance | +80% to -20% |
| Working Voltage | 1000V dc (300v ac) |
| Temperature Range | -25°C to +85°C |



| CODE | TYPE | Lead Pitch mm | PRICE |
|---------|------|---------------|-------|
| 540-320 | 1nF | 6.5 | £0.20 |
| 03-0251 | 1nF | 5.0 | £0.20 |
| 540-325 | 10nF | 10.0 | £0.22 |

HIGH VOLTAGE DISC CERAMIC CAPACITORS a range of very low loss (max.0.2%) high voltage ceramic disc capacitors offering high capacitance per unit volume and high reliability. Applications include snubber circuits, high frequency decoupling and resonance circuits. BC components 2252 711 series.

Technical Specification

| | |
|------------------------------|--------------------|
| Tolerance | 10% |
| Temperature coefficient(Y5R) | ±15% |
| Working voltage | 1000V dc |
| Dielectric strength | 2000V dc |
| Insulation resistance | 10,000MΩ @ 500V dc |
| Dissipation factor | <0.2% |
| Climatic category | 30/125/21 |
| Operating temperature | -30 to +125°C |

| Value | Dimensions (mm) | | | BC part no |
|--------|-----------------|----------------|------------|----------------|
| | Body Dia | Body Thickness | Lead Pitch | |
| 220pF | 6.5 | 4.5 | 5.0 | 2252 711 14216 |
| 470pF | 7.5 | 4.5 | 5.0 | 2252 711 14416 |
| 1000pF | 10 | 4.5 | 5.0 | 2252 711 14026 |
| 2200pF | 13 | 4.5 | 7.5 | 2252 711 37226 |



| CODE | TYPE | PRICE |
|---------|---|-------|
| 540-962 | High Volt Disc Ceramic Capacitor 100pF | £0.20 |
| 540-964 | High Volt Disc Ceramic Capacitor 220pF | £0.20 |
| 540-966 | High Volt Disc Ceramic Capacitor 470pF | £0.22 |
| 540-968 | High Volt Disc Ceramic Capacitor 1000pF | £0.33 |
| 540-970 | High Volt Disc Ceramic Capacitor 2200pF | £0.42 |

HIGH VOLTAGE CERAMIC DISC CAPACITORS A range of high voltage ceramic disc capacitors available in 1000V or 2000V ratings in the most popular capacitance values. High stability and reliability. Ideal for coupling and bypass circuitry. Sold individually.

Technical Specification

| | |
|-------------------|----------------|
| Tolerance | ±10% |
| Temperature Range | -10°C to +85°C |



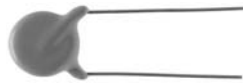
| CODE | TYPE | PRICE |
|--------------|---------|-------|
| 1000V | | |
| 03-0000 | 100pF | £0.15 |
| 03-0002 | 220pF | £0.15 |
| 03-0004 | 470pF | £0.15 |
| 03-0006 | 1000pF | £0.15 |
| 03-0008 | 2200pF | £0.15 |
| 03-0010 | 4700pF | £0.29 |
| 03-0012 | 10000pF | £0.33 |
| 2000V | | |
| 03-0014 | 100pF | £0.29 |
| 03-0016 | 220pF | £0.29 |
| 03-0018 | 470pF | £0.29 |
| 03-0020 | 1000pF | £0.29 |
| 03-0022 | 2200pF | £0.30 |
| 03-0024 | 4700pF | £0.50 |
| 03-0025 | 10000pF | £0.55 |

SQUIRES MODEL & CRAFT TOOLS

3000V HIGH VOLTAGE CAPACITORS a range 3000V ceramic disc capacitors with high stability and reliability, ideal for coupling and bypass circuitry.

Technical Specification

Tolerance: ±10%
Temp range: -40°C to +85°C



| CODE | TYPE | PRICE |
|---------|--|-------|
| 03-1544 | 3000V 100pF Ceramic Disc Capacitor..... | £0.55 |
| 03-1545 | 3000V 220pF Ceramic Disc Capacitor..... | £0.55 |
| 03-1546 | 3000V 470pF Ceramic Disc Capacitor..... | £0.55 |
| 03-1547 | 3000V 1000pF Ceramic Disc Capacitor..... | £0.55 |
| 03-1548 | 3000V 2200pF Ceramic Disc Capacitor..... | £0.55 |
| 03-1549 | 3000V 4700pF Ceramic Disc Capacitor..... | £0.75 |

AXIAL MULTILAYER CERAMIC CAPACITORS High quality epoxy coated multilayer ceramic capacitors. Dimensions 3.5 x 2.54mm diameter. Sold individually.

Technical Specification

| | Y5V | X7R |
|-----------------------------|----------------|----------------|
| Max. working voltage | 50V | 50V |
| Tolerance | +80 -20% | 10% |
| Temperature coefficient | +22% -82% | ±15% |
| Operating temperature range | -25°C to +85°C | -25°C to +85°C |



| CODE | TYPE | DIELECTRIC | PRICE |
|---------|------------|------------|-------|
| 540-844 | 100nF..... | Y5V..... | £0.15 |
| 03-1451 | 1nF..... | Y5V..... | £0.15 |
| 540-845 | 10nF..... | X7R..... | £0.18 |
| 540-847 | 100nF..... | X7R..... | £0.30 |

POLYPROPYLENE CAPACITORS a range of polypropylene capacitors featuring a very low loss dielectric with high dielectric strength, high insulation resistance and a negative temperature coefficient. Ideally suited to high performance filter networks and oscillator circuits. Encapsulated in a sealed flame retardant plastic case. Sold individually.

Technical Specification

Tolerance ± 10%
Working Voltage 100pF - 2200pF 100V dc
3300pF - 10nF 63V dc
Temp Coefficient -200ppm/°C
Climatic Category 55/85/56
Power Factor @1KHz 20°C 0.0003 for C<1000pF
0.0004 for C>1000pF
Temperature Range -55°C to +85°C
Lead Pitch 5mm



| CODE | TYPE | PRICE |
|---------|------------|-------|
| 540-400 | 100pF..... | £0.44 |
| 540-410 | 220pF..... | £0.44 |
| 540-415 | 330pF..... | £0.44 |
| 540-420 | 470pF..... | £0.44 |
| 540-425 | 680pF..... | £0.44 |
| 540-430 | 1nF..... | £0.44 |
| 540-435 | 1n5..... | £0.44 |
| 540-440 | 2n2..... | £0.44 |
| 540-445 | 4n7..... | £0.50 |
| 540-450 | 6n8..... | £0.50 |
| 540-455 | 10nF..... | £0.53 |

B MINIATURE POLYESTER CAPACITORS a range of sub miniature polyester capacitors the Wima MKS02 series, encapsulated in a flame retardant, UL94V-0 plastic case with an epoxy resin seal. The 2.5mm lead spacing provides an excellent capacitance per unit volume ratio. Suitable for applications where high component densities or weight saving is an important requirement. Sold individually.

Technical Specification

Tolerance ± 20%
Dissipation Factor >0.01@1KHz 20°C
Working Voltage 1n to 100n 63V dc (40v ac)
220n to 1µF 50V dc (30v ac)
Humidity Classification 55/100/21
Insulation Resistance >2x 10⁹ Ω
Temperature Range -55°C to +100°C



| Value | Wmm | Hmm | Dmm | Lead Length | Lead Pitchmm | dia.mm |
|------------|-----|-----|-----|-------------|--------------|--------|
| 1nF-47nF | 4.6 | 7.0 | 2.5 | 6.0 | 0.4 | 2.5 |
| 100n-330nF | 4.6 | 7.5 | 3.0 | 6.0 | 0.4 | 2.5 |
| 470n-680nF | 4.6 | 9.0 | 4.6 | 6.0 | 0.4 | 2.5 |
| 1µF | 4.6 | 10 | 5.5 | 6.0 | 0.4 | 2.5 |

| CODE | TYPE | PRICE |
|------------|------------|-------|
| 63V | | |
| 540-600 | 1nF..... | £0.50 |
| 540-974 | 1n5..... | £0.50 |
| 540-605 | 2n2..... | £0.50 |
| 540-610 | 3n3..... | £0.50 |
| 540-615 | 4n7..... | £0.50 |
| 540-620 | 6n8..... | £0.50 |
| 540-625 | 10nF..... | £0.50 |
| 540-976 | 15nF..... | £0.60 |
| 540-630 | 22nF..... | £0.60 |
| 540-635 | 33nF..... | £0.60 |
| 540-640 | 47nF..... | £0.60 |
| 540-645 | 68nF..... | £0.60 |
| 540-650 | 100nF..... | £0.60 |

| | | |
|------------|------------|-------|
| 50V | | |
| 03-0304 | 150nF..... | £0.90 |
| 540-655 | 220nF..... | £0.90 |
| 540-978 | 330nF..... | £1.50 |
| 540-660 | 470nF..... | £1.55 |
| 540-980 | 680nF..... | £1.75 |
| 540-670 | 1µF..... | £1.95 |

FKS2 POLYESTER CAPACITORS a polyester film capacitor with a 5mm pitch encapsulated in a flame retardant case (UL 94V-0). Applications include reservoir and decoupling in high speed circuits. These capacitors incorporate low induction, low ESR and a high duty cycle.

Technical Specification

Tolerance: 20%
Working voltage: 100V
Insulation resistance: > 3x10MΩ
Max. pulse rise time: 1000V/µS
Temperature range: -55°C to +100°C

| Value | W | H | L | Lead Length | Pitch |
|-------|-----|-----|-----|-------------|-------|
| 220pF | 2.5 | 6.5 | 7.2 | 6.2 | 5 |
| 10nF | 3 | 7.5 | 7.2 | 6.2 | 5 |



| CODE | TYPE | PRICE |
|---------|--|-------|
| 540-880 | 1NF 100V FKS2 Polyester Capacitor (RC)..... | £0.33 |
| 540-882 | 2N2 100V FKS2 Polyester Capacitor (RC)..... | £0.33 |
| 540-884 | 4N7 100V FKS2 Polyester Capacitor (RC)..... | £0.33 |
| 540-885 | 10NF 100V FKS2 Polyester Capacitor (RC)..... | £0.33 |

SQUIRES ELECTRONIC COMPONENTS

MINIATURE POLYESTER CAPACITORS a wide range of miniature metallised polyester capacitors. Suitable for many applications. Encapsulated in a self extinguishing plastic case sealed with epoxy resin. Sold individually.

Technical Specification

| | | | | |
|-------------------|--|------|-----|---------|
| Tolerance | ± 10% | | | |
| Working Voltage | <100n 100V >100n 63V | | | |
| Climatic Category | 1n - 470n 40/100/21 680n - 1µ 55/100/56 | | | |
| Temperature Range | -55°C to +85°C | | | |
| Value | Wmm | Hmm | Dmm | Pitchmm |
| 1nF-100nF | 7.7 | 6.5 | 2.5 | 5.0 |
| 150n-470n | 7.7 | 8.5 | 5.0 | 5.0 |
| 680nF | 7.7 | 10.0 | 5.0 | 5.0 |
| 1µF | 7.7 | 11.0 | 6.0 | 5.0 |



| CODE | TYPE | PRICE |
|---------|-----------|-------|
| 540-700 | 1n..... | £0.20 |
| 540-705 | 1n5..... | £0.20 |
| 540-710 | 2n2..... | £0.20 |
| 540-715 | 3n3..... | £0.20 |
| 540-720 | 4n7..... | £0.20 |
| 540-725 | 10n..... | £0.20 |
| 540-730 | 15n..... | £0.20 |
| 540-735 | 22n..... | £0.20 |
| 540-740 | 33n..... | £0.20 |
| 540-745 | 47n..... | £0.20 |
| 540-750 | 100n..... | £0.25 |
| 540-755 | 150n..... | £0.25 |
| 540-760 | 220n..... | £0.25 |
| 540-765 | 330n..... | £0.35 |
| 540-770 | 470n..... | £0.45 |
| 540-775 | 680n..... | £0.65 |
| 540-780 | 1µF..... | £0.80 |

MKS2 MINIATURE POLYESTER CAPACITORS an industry standard boxed metallised polyester capacitor suitable for a wide range of general purpose applications, with a flame retardant red plastic case with epoxy resin seal.

Technical Specification

| | | | |
|--------------------------|---|--|--|
| Tolerance: | ±10% | | |
| Temperature coefficient: | +330ppm/°C (+20°C to +70°C) | | |
| Power factor: | 1kHz, 20°C 0.008 (values above 1µF: 0.01) | | |
| Operating temperature: | -55°C to +100°C | | |

| Case code | L | H | T |
|-----------|-----|-----|-----|
| A | 7.2 | 6.5 | 2.5 |
| B | 7.2 | 7.5 | 3 |
| C | 7.2 | 8.5 | 3.5 |
| D | 7.2 | 9.5 | 4.5 |
| E | 7.2 | 10 | 5 |
| F | 7.2 | 13 | 7.2 |



| CODE | TYPE | PRICE |
|---------|---|-------|
| 03-2200 | 2.2µF 50V MKS2 Capacitor Case F (RC)..... | £0.75 |
| 03-2202 | 3.3µF 50V MKS2 Capacitor Case F (RC)..... | £0.95 |
| 03-2204 | 10nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2206 | 15nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2208 | 22nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2210 | 33nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2212 | 47nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2214 | 68nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2216 | 100nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2218 | 150nF 63V MKS2 Capacitor Case A (RC)..... | £0.25 |
| 03-2220 | 220nF 63V MKS2 Capacitor Case B (RC)..... | £0.25 |
| 03-2222 | 330nF 63V MKS2 Capacitor Case C (RC)..... | £0.29 |
| 03-2224 | 470nF 63V MKS2 Capacitor Case D (RC)..... | £0.29 |
| 03-2226 | 680nF 63V MKS2 Capacitor Case D (RC)..... | £0.60 |
| 03-2228 | 1µF 63V MKS2 Capacitor Case E (RC)..... | £0.39 |
| 03-2240 | 10nF 100V MKS2 Capacitor Case A (RC)..... | £0.29 |
| 03-2242 | 22nF 100V MKS2 Capacitor Case A (RC)..... | £0.29 |

CONTINUED OVER

| | | |
|---------|--|-------|
| 03-2244 | 33nF 100V MKS2 Capacitor Case A (RC)..... | £0.29 |
| 03-2246 | 47nF 100V MKS2 Capacitor Case A (RC)..... | £0.28 |
| 03-2250 | 100nF 100V MKS2 Capacitor Case B (RC)..... | £0.29 |
| 03-2254 | 220nF 100V MKS2 Capacitor Case C (RC)..... | £0.35 |
| 03-2256 | 330nF 100V MKS2 Capacitor Case D (RC)..... | £0.39 |
| 03-2258 | 470nF 100V MKS2 Capacitor Case E (RC)..... | £0.45 |

METALLISED POLYESTER CAPACITORS a new range of box polyester capacitors. Suitable for circuit layouts requiring high packing density. Encapsulated in a flame retardant plastic case resistant to modern cleansing solvents. Sold individually.

Technical Specification

| | | | | |
|-------------------|-----------------------------------|--|--|--|
| Tolerance | ± 10% | | | |
| Working Voltage | 1nF - 3n3 400V 4n7 - 100n 250V | | | |
| Climatic Category | 55/100/56 IEC68 | | | |
| Temperature Range | -55°C to +85°C | | | |

| Value | Wmm | Hmm | Dmm | Pitchmm |
|----------|-----|------|-----|---------|
| 1nF-10nF | 7.2 | 6.5 | 2.5 | 5.0 |
| 22n-33n | 7.2 | 8.0 | 3.5 | 5.0 |
| 10nF | 7.2 | 11.0 | 6.0 | 5.0 |



| CODE | TYPE | PRICE |
|---------|-----------|-------|
| 540-800 | 1n..... | £0.30 |
| 540-805 | 2n2..... | £0.30 |
| 540-810 | 3n3..... | £0.35 |
| 540-815 | 4n7..... | £0.30 |
| 540-820 | 10n..... | £0.30 |
| 540-825 | 22n..... | £0.33 |
| 540-830 | 33n..... | £0.33 |
| 540-840 | 100n..... | £0.39 |

METALLISED POLYESTER CAPACITORS a range of industry standard MKS4 metallised polyester capacitors. Encapsulated in a flame retardant plastic case sealed with epoxy resin. Sold individually.

Technical Specification

| | | | |
|-----------------------|--|--|--|
| Tolerance | ± 10% | | |
| Climatic Category | 55/100/56 | | |
| Temp Coefficient | ±300ppm/°C | | |
| Insulation Resistance | 3 x 10 ⁴ M for C ≤0.33 @ 20°C | | |
| Temperature Range | -55°C to +100°C | | |

| Case code | H | L | W | Pitch |
|-----------|------|------|------|-------|
| A | 9.0 | 13.0 | 4.0 | 10.0 |
| B | 9.5 | 13.0 | 4.0 | 10.0 |
| C | 11.0 | 18.0 | 5.0 | 15.0 |
| D | 12.5 | 18.0 | 6.0 | 15.0 |
| E | 16.5 | 26.5 | 7.0 | 22.5 |
| G | 18.5 | 26.5 | 8.5 | 22.5 |
| H | 21.0 | 31.5 | 11.0 | 27.5 |
| i | 8.5 | 10.0 | 3.0 | 7.5 |
| J | 9.0 | 10.0 | 4.0 | 10.0 |
| k | 10.5 | 10.3 | 5.0 | 10.0 |
| L | 12.5 | 10.3 | 5.7 | 10.0 |



| CODE | TYPE | W.V. | CASE | PRICE |
|---------|-----------|-----------|--------|-------|
| 540-887 | 100n..... | 100V..... | I..... | £0.39 |
| 03-0124 | 220n..... | 100V..... | J..... | £0.49 |
| 540-889 | 470n..... | 100V..... | K..... | £0.55 |
| 540-890 | 1.0µ..... | 100V..... | L..... | £0.75 |
| 540-900 | 47n..... | 250V..... | A..... | £0.39 |
| 540-905 | 100n..... | 250V..... | B..... | £0.40 |
| 540-910 | 220n..... | 250V..... | C..... | £0.55 |
| 540-920 | 1µF..... | 250V..... | C..... | £1.49 |
| 540-925 | 2.2µ..... | 250V..... | H..... | £2.20 |
| 540-930 | 10n..... | 400V..... | A..... | £0.39 |
| 540-935 | 22n..... | 400V..... | A..... | £0.38 |
| 540-940 | 47n..... | 400V..... | C..... | £0.49 |
| 540-945 | 100n..... | 400V..... | D..... | £0.55 |

SQUIRES MODEL & CRAFT TOOLS

MEALLISED POLYESTER CAPACITORS a range of metallised polyester capacitors. Particularly suited to coupling and decoupling applications. Sold individually.

Technical Specification

Tolerance ± 20% < 220n
± 10% > 150n

Climatic Category 55/100/56

Insulation Resistance Greater than $10^{10}\Omega$

Temperature Range -40°C to +85°C



| Case | Wmm | Hmm | Dmm | Pitchmm |
|------|------|------|-----|---------|
| A | 12.5 | 13.5 | 3 | 10 |
| B | 12.5 | 13.5 | 3.5 | 10 |
| C | 12.5 | 13.5 | 4 | 10 |
| D | 12.5 | 13.5 | 4.5 | 10 |
| E | 12.5 | 13.5 | 5.5 | 10 |
| F | 16.5 | 16.0 | 6.5 | 15 |
| G | 16.5 | 17.0 | 7.5 | 15 |

| CODE | TYPE | W.V. | CASE | PRICE |
|---------|-----------|-----------|--------|-------|
| 541-000 | 10n..... | 400V..... | A..... | £0.25 |
| 541-005 | 15n..... | 400V..... | A..... | £0.25 |
| 541-010 | 22n..... | 400V..... | A..... | £0.25 |
| 541-015 | 33n..... | 400V..... | B..... | £0.25 |
| 541-020 | 47n..... | 400V..... | C..... | £0.30 |
| 541-025 | 68n..... | 100V..... | A..... | £0.30 |
| 541-030 | 100n..... | 250V..... | C..... | £0.30 |
| 541-035 | 150n..... | 250V..... | D..... | £0.33 |
| 541-040 | 220n..... | 250V..... | H..... | £0.45 |
| 541-045 | 220n..... | 250V..... | F..... | £0.45 |
| 541-050 | 330n..... | 250V..... | F..... | £0.45 |
| 541-055 | 470n..... | 250V..... | G..... | £0.55 |

METALLISED POLYESTER CAPACITOR A highly reliable capacitor that offers both a high dielectric constant and strength with volumetric efficiency. Ideal for commercial and multi-purpose applications, filtering, blocking, bypass and pulse operation. Highly reliable. Self healing performance. High moisture resistance. Non-inductive wound construction. Wide temperature range. Very high stability. Sold individually



Technical Specification

Operating temperature -40°C to +85°C
 Rated voltage 250V, 400V DC
 Capacitance range 0.01 to 6.8µF
 Capacitance tolerance ±5%, ±10%, ±20%
 Insulation resistance C 0.33µF R > 15,000M
 C 0.33µF RC > 5,000M.Mfd
 Dissipation factor 0.01 (at 1KHz)
 Dielectric strength 150% of rated voltage for 5 seconds

| 100Volt | Length (mm) | Thickness (mm) | Height (mm) | Pitch (mm) |
|----------|-------------|----------------|-------------|------------|
| 0.1µF | 12.5 | 5 | 9.5 | 10 |
| 0.22µF | 12.5 | 6 | 10 | 10 |
| 0.33µF | 17.5 | 6 | 11 | 15 |
| 0.47µF | 17.5 | 5 | 10.5 | 15 |
| 1µF | 18 | 7.5 | 14 | 15 |
| 2.2µF | 23 | 9.5 | 17 | 20 |
| 4.7µF | 30.5 | 12.5 | 23.5 | 27.5 |
| 250Volt | | | | |
| 0.1µF | 12.5 | 5.5 | 10 | 10 |
| 0.22µF | 12.5 | 6 | 10.5 | 10 |
| 0.33µF | 17 | 6 | 11 | 15 |
| 0.47µF | 18 | 7 | 13.5 | 15 |
| 1µF | 23 | 7 | 13.5 | 20 |
| 2.2µF | 30 | 8.5 | 17.5 | 27 |
| 4.7µF | 30.5 | 13 | 24 | 27.5 |
| 400 Volt | | | | |
| 0.01µF | 12 | 4.5 | 7.5 | 10 |
| 0.022µF | 5.5 | 5.5 | 9 | 10 |
| 0.047µF | 12.5 | 6 | 10 | 10 |
| 0.1µF | 12.5 | 6.5 | 11 | 10 |
| 0.22µF | 17 | 6 | 10.5 | 15 |
| 0.47µF | 18 | 7 | 13 | 15 |
| 1µF | 23.5 | 9 | 19 | 20.5 |

630 Volt

| | | | | |
|---------|------|------|------|------|
| 0.01µF | 17.5 | 6 | 11 | 15 |
| 0.022µF | 23 | 8.5 | 14.5 | 20.5 |
| 0.033µF | 23 | 8.5 | 14.5 | 20.5 |
| 0.047µF | 23 | 10.5 | 15 | 20.5 |
| 1µF | 5 | 11 | 21 | 26.5 |
| 2.2µF | 30 | 16 | 26 | 26.5 |
| 4.7µF | 45 | 17.5 | 27.5 | 41 |

CODE

TYPE

100V

| CODE | TYPE | PRICE |
|---------|-------------|-------|
| 03-5770 | 0.1µF..... | £0.25 |
| 03-5772 | 0.22µF..... | £0.25 |
| 03-5773 | 0.33µF..... | £0.25 |
| 03-5776 | 0.47µF..... | £0.25 |
| 03-5778 | 1µF..... | £0.30 |
| 03-5780 | 2.2µF..... | £0.40 |
| 03-5782 | 4.7µF..... | £0.75 |

250V

| | | |
|---------|-------------|-------|
| 03-0130 | 0.1µF..... | £0.25 |
| 03-0132 | 0.22µF..... | £0.30 |
| 03-0134 | 0.33µF..... | £0.30 |
| 03-0136 | 0.47µF..... | £0.35 |
| 03-0138 | 1µF..... | £0.48 |
| 03-0140 | 2.2µF..... | £0.85 |
| 03-0142 | 4.7µF..... | £1.20 |

400V

| | | |
|---------|--------------|-------|
| 03-0144 | 0.01µF..... | £0.35 |
| 03-0146 | 0.022µF..... | £0.35 |
| 03-0148 | 0.047µF..... | £0.35 |
| 03-0150 | 0.1µF..... | £0.35 |
| 03-0152 | 0.22µF..... | £0.45 |
| 03-0154 | 0.47µF..... | £0.55 |
| 03-0156 | 1µF..... | £0.90 |

630V

| | | |
|---------|--------------|-------|
| 03-5784 | 0.01µF..... | £0.35 |
| 03-5786 | 0.022µF..... | £0.38 |
| 03-5788 | 0.033µF..... | £0.40 |
| 03-5790 | 0.47µF..... | £0.40 |
| 03-5792 | 0.1µF..... | £0.65 |
| 03-5794 | 2.2µF..... | £0.95 |
| 03-5796 | 4.7µF..... | £1.89 |

POLYESTER FILM CAPACITORS a range of competitively priced mylar polyester film capacitors. Encapsulated in epoxy resin to ensure stability and protection against humidity. Particularly suited to general applications where low cost and compact size is required. Sold individually.

Technical Specification

Tolerance 10%
 Working Voltage 100V dc
 Insulation Resistance $3x 10^{10}\Omega$
 Temperature Range -25°C to +85°C

| Case | Wmm | Hmm | Pitchmm | Dmm |
|------|------|------|---------|------|
| A | 5.0 | 9.0 | 2.52 | 3.5 |
| B | 5.5 | 9.0 | 2.5 | 4.0 |
| C | 6.0 | 9.0 | 3.0 | 4.5 |
| D | 7.5 | 11.0 | 3.0 | 6.5 |
| E | 9.0 | 12.0 | 4.5 | 7.5 |
| F | 12.0 | 14.0 | 4.5 | 9.0 |
| G | 15.0 | 18.0 | 8.5 | 11.0 |

| CODE | TYPE | CASE | PRICE |
|---------|-----------|--------|-------|
| 541-100 | 1n..... | A..... | £0.10 |
| 541-105 | 2n2..... | A..... | £0.10 |
| 541-110 | 4n7..... | B..... | £0.10 |
| 541-115 | 10n..... | C..... | £0.12 |
| 541-120 | 22n..... | D..... | £0.15 |
| 541-125 | 47n..... | E..... | £0.15 |
| 541-130 | 100n..... | F..... | £0.17 |
| 541-135 | 220n..... | G..... | £0.22 |



CONTINUED OVER

SQUIRES ELECTRONIC COMPONENTS

Y2 SAFETY CAPACITOR Class Y2 safety capacitors coated in a flame retardant epoxy resin. Compact size. Ideal for across the Line applications. Sold Individually



Technical Specification

| | | | | |
|-----------------------|----------------|-------------|----------------|------------|
| Voltage rating | 250V | | | |
| Capacitance range | 1nF - 4n 7 | | | |
| Capacitance tolerance | ±20% | | | |
| Operating temperature | -20°C to +85°C | | | |
| | Length (mm) | Height (mm) | Thickness (mm) | Pitch (mm) |
| 1nF | 13 | 9 | 4 | 10 |
| 2n2 | 13 | 9 | 4 | 10 |
| 4n7 | 13 | 11 | 5 | 10 |

| CODE | TYPE | PRICE |
|---------|------------------------------|-------|
| 03-0158 | Y2 Safety Capacitor 1nF..... | £0.29 |
| 03-0160 | Y2 Safety Capacitor 2n2..... | £0.32 |
| 03-0162 | Y2 Safety Capacitor 4n7..... | £0.35 |

Y2/X1 POLYPROPYLENE SUPPRESSION CAPACITORS Metallised polypropylene film Y2/X1 suppression capacitors. Suitable for interference suppression, across the line to ground applications. Meets the requirements of IEC60384-14 2nd edition. Self healing properties, epoxy resin filled case and flame retardant. Sold individually.



Technical Specification

| | | | | |
|-----------------------|------------------------|-------|-------|-------|
| Tolerance | 10% | | | |
| Voltage rating | 300V AC | | | |
| Lead length | 25mm | | | |
| Insulation resistance | >1 x 10 ⁵ M | | | |
| Operating temperature | -40°C to +110°C | | | |
| Approvals | ENEC, CSA, UL | | | |
| | Height | Width | Depth | Pitch |
| 1nF | 9.0 | 13.0 | 4.0 | 10.0 |
| 2n2 | 9.0 | 13.0 | 4.0 | 10.0 |
| 4n7 | 12.0 | 13.0 | 6.0 | 10.0 |
| 22nF | 13.5 | 18.0 | 7.5 | 15.0 |

| CODE | TYPE | PRICE |
|---------|-----------|-------|
| 03-0164 | 1nF..... | £0.45 |
| 03-0166 | 2n2..... | £0.49 |
| 03-0168 | 4n7..... | £0.55 |
| 03-0170 | 22nF..... | £0.55 |

NPX/X2 SUPPRESSION CAPACITORS A range of interference suppression capacitors featuring moulded box construction and radial lead design. Metallised polypropylene film, non inductive and self healing construction. X2 safety capacitor classification for use in across the line applications. Moulded case meets UL94V-O flammability test. Sold individually.



Technical Specification

| | | | | | | |
|-----------------------|--|------|----|---------------|-----|----|
| Rated voltage | 250V AC | | | | | |
| Tolerance | ±10% | | | | | |
| Insulation resistance | C<0.33µF > 15,000M C>0.33µF > 5,000M <0.1max. @1KHz/25°C | | | | | |
| Dissipation Factor | 2000V DC (1414V AC rms) for 1s | | | | | |
| Dielectric strength | | | | | | |
| Dimensions (mm) | W | H | D | | | |
| Value (nF) | | | | Lead spacing | | |
| | | | | Lead diameter | | |
| | | | | Lead length | | |
| 10 | 13 | 11 | 5 | 10 | 0.6 | 25 |
| 47 | 13 | 11 | 5 | 10 | 0.6 | 25 |
| 100 (mini case) | 13 | 11 | 5 | 10 | 0.6 | 25 |
| 100 | 18 | 11 | 5 | 15 | 0.8 | 25 |
| 220 (mini case) | 18 | 14.5 | 10 | 15 | 0.8 | 25 |
| 470 (mini case) | 13 | 11 | 5 | 10 | 0.8 | 25 |
| 470 | 18 | 11 | 5 | 15 | 0.8 | 25 |
| 1000 (mini case) | 13 | 12 | 6 | 10 | 0.8 | 25 |

| CODE | TYPE | PRICE |
|---------|-------------------------|-------|
| 03-0172 | 10nF..... | £0.45 |
| 03-0176 | 47nF..... | £0.45 |
| 03-0178 | 100nF (mini case)..... | £0.45 |
| 03-0180 | 100nF..... | £0.45 |
| 03-0182 | 220nF (mini case)..... | £0.75 |
| 03-0186 | 470nF (mini case)..... | £0.95 |
| 03-0188 | 470nF..... | £1.29 |
| 03-0190 | 1000nF (mini case)..... | £1.99 |

METALLISED POLYPROPYLENE SUPPRESSION CAPACITORS a range of X2 interference capacitors approved to EN132400 standard. Non inductive wound construction with short 6mm leads. Sealed using epoxy resin. Sold individually.

Technical Specification

| | | | | | | |
|---------------------|---------------------------|------|------|----------|---------|--|
| Tolerance | ± 20% | | | | | |
| Rated Voltage | 275V ac | | | | | |
| Basic Specification | IEC384-14 2nd edition,93. | | | | | |
| Temperature Range | -40°C to +85°C | | | | | |
| Value | Hmm | Wmm | Dmm | Lead dia | Pitchmm | |
| 100n | 14.5 | 18 | 8.5 | 0.8 | 15 | |
| 220n | 16.5 | 26.5 | 8.5 | 0.8 | 22.5 | |
| 470n | 20.5 | 31.5 | 11.5 | 0.8 | 27.5 | |
| 1µF | 24.5 | 31.5 | 15 | 0.8 | 27.5 | |

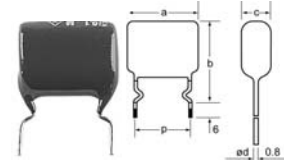


| CODE | TYPE | PRICE |
|---------|-----------|-------|
| 541-205 | 100n..... | £0.50 |
| 541-210 | 220n..... | £0.69 |
| 541-215 | 470n..... | £1.39 |
| 541-220 | 1µF..... | £1.99 |

METALLISED POLYPROPYLENE X2 SUPPRESSION CAPACITORS a range of metallised polypropylene x2 suppression capacitors with full approval to the new european EN 132400 standard. Protected by a hard epoxy resin (flame retardant) coating. Non inductive wound construction. Supplied with short kinked legs to assist PCB insertion.

Technical Specification

| | | | | |
|---------------------------|----------------|-------------------------------|----|------|
| Value | a | b | c | d |
| 100n | 18.0 | 18.0 | 7 | 15.0 |
| 220n | 18.0 | 21.0 | 7 | 15.0 |
| 470n | 26.5 | 25.5 | 10 | 22.5 |
| Tolerance | ± 20% | | | |
| Working Voltage | 275vac 50/60Hz | | | |
| Tand (dissipation factor) | 100n, 220n | ≤30 x 10 ⁴ @ 10KHz | | |
| | 470n | ≤50 x 10 ⁴ @ 10KHz | | |
| Insulation resistance | 100n, 220n | ≤15,000mΩ | | |
| | 470n | ≤15,000mΩ | | |



Climatic Category 40/100/56C (GMF DIN40040)
 Passive flammability Class C
 Operating temperature range -40 to 100°C
 Basic Specification IEC384-14 2nd edition 93

| CODE | TYPE | PRICE |
|---------|-----------|-------|
| 541-235 | 100n..... | £0.39 |
| 541-240 | 220n..... | £0.69 |
| 541-245 | 470n..... | £0.99 |

X2 METALLISED POLYESTER FILM CAPACITORS A range of Class X2 suppression 275V AV metallised polyester film capacitors. Sealed in a protective plastic which is both solvent resistant and flame retardant. Highly reliable, non-inductive wound construction, wide temperature range and very high stability. Sold ind

Technical Specification

| | | | | |
|-----------------------|---|------------|---------------|-----------|
| Working Voltage | 275V AC 50/60Hz | | | |
| Capacitance tolerance | ±10% std ±15% | | | |
| Operating temperature | -40°C to +85°C | | | |
| Dielectric strength | 2100V DC for 1 sec | | | |
| Dissipation factor | 0.08% max at 1kHz 0.30% max at 10kHz | | | |
| 275 Volt (X2) | Length(mm) | Height(mm) | Thickness(mm) | Pitch(mm) |
| 10nF | 13 | 1 | 5 | 10 |
| 47nF | 18 | 1 | 5 | 15 |
| 100nF | 18 | 3.5 | 6 | 15 |
| 220nF | 26.5 | 6.5 | 7 | 22.5 |
| 470nF | 26.6 | 9 | 10 | 2.5 |
| 1000nF | 32 | 2 | 13 | 27.5 |



| CODE | TYPE | PRICE |
|---------|-------------|-------|
| 03-0192 | 10nF..... | £0.33 |
| 03-0194 | 47nF..... | £0.33 |
| 03-0196 | 100nF..... | £0.33 |
| 03-0198 | 220nF..... | £0.59 |
| 03-0200 | 470nF..... | £0.89 |
| 03-0202 | 1000nF..... | £1.19 |

SQUIRES MODEL & CRAFT TOOLS

POLYESTER SUPPRESSION CAPACITORS A range of Class Y polyester capacitors rated at 250V ac. Comply with the safety requirements of BS60065 and IEC65. Lead diameter 0.8mm. LCR Y/S/ED series. Sold individually.

Technical Specification

Voltage Rating 250V ac
 Tolerance ±20%
 Insulation Resistance >30MΩ
 Test Voltage 3KVdc or 2kV ac for 2 seconds
 Operating temperature -25° to +85°C



| Value | H | W | D | Lead pitch |
|-------|------|------|-----|------------|
| 2n2 | 10.0 | 17.5 | 6.0 | 15 |
| 10n | 11.0 | 17.5 | 6.0 | 15 |
| 22n | 12.5 | 17.5 | 7.5 | 15 |
| 47n | 15.0 | 25.0 | 6.5 | 22 |

| CODE | TYPE | PRICE |
|---------|----------|-------|
| 540-157 | 2n2..... | £1.59 |
| 540-159 | 10n..... | £1.69 |
| 540-160 | 22n..... | £1.89 |
| 540-161 | 47n..... | £1.99 |

METALLISED POLYPROPYLENE SUPPRESSION CAPACITORS a new range of interference capacitors approved to IEC384-14(2nd edition) designed to meet the latest international requirements on interference suppression and immunity. Sold individually.

Technical Specification

Tolerance ± 20%
 Working Voltage X1, X2 275V ac
 Y2 250V ac
 Insulation Resistance C < 0.33µ 15x 10⁹MΩ
 Pulse Rise Time X1, X2 200V/µS. Y2 100V/µS
 Temperature Range -55°C to +100°C



| Value | Hmm | Wmm | Dmm | Lead dia.mm | Pitchmm |
|-----------------|------|------|------|-------------|---------|
| Class X1 | | | | | |
| 10n | 12.0 | 12.5 | 6.0 | 0.6 | 10.0 |
| 47n | 13.5 | 17.5 | 7.0 | 0.8 | 15.0 |
| 1µ | 31.0 | 31.0 | 21.0 | 0.8 | 27.5 |
| Class X2 | | | | | |
| 10n | 11.0 | 12.5 | 5.0 | 0.6 | 10.0 |
| 47n | 11.0 | 17.5 | 5.0 | 0.8 | 15.0 |
| 100n | 12.0 | 17.5 | 6.0 | 0.8 | 15.0 |
| 220n | 16.5 | 17.5 | 10.0 | 0.8 | 15.0 |
| 470n | 19.5 | 26.0 | 10.0 | 0.8 | 22.5 |
| Class Y2 | | | | | |
| 1n | 10.0 | 12.5 | 4.0 | 0.6 | 10.0 |
| 2n2 | 10.0 | 12.5 | 4.0 | 0.6 | 15.0 |
| 4n7 | 12.0 | 12.5 | 6.0 | 0.6 | 15.0 |
| 10n | 11.0 | 17.5 | 5.0 | 0.8 | 15.0 |
| 22n | 13.5 | 17.5 | 7.0 | 0.8 | 22.5 |
| 47n | 16.5 | 17.5 | 10.0 | 0.8 | 27.5 |

| CODE | TYPE | PRICE |
|-------------------------|-----------|-------|
| Class X1 275V AC | | |
| 541-300 | 10n..... | £0.55 |
| 541-310 | 47n..... | £0.65 |
| 541-330 | 1µ..... | £2.79 |
| Class X2 275V AC | | |
| 541-335 | 10n..... | £0.55 |
| 541-345 | 47n..... | £0.55 |
| 541-350 | 100n..... | £0.59 |
| 541-355 | 220n..... | £0.89 |
| 541-360 | 470n..... | £1.49 |
| Class Y2 250V AC | | |
| 541-370 | 1n..... | £0.45 |
| 541-375 | 2n2..... | £0.55 |
| 541-380 | 4n7..... | £0.65 |
| 541-385 | 10n..... | £0.65 |
| 541-390 | 22n..... | £0.65 |
| 541-395 | 47n..... | £0.90 |

METALLISED POLYPROPYLENE SUPPRESSION CAPACITORS A new range of X2 interference capacitors housed in a compact case which meets the requirements of IEC 60384-14 (second edition) and EN 132400. approved to SEV, VDE, FI, N, D, S, IMQ, OVE, UL and CSA. BC Components 2222 338 series. Sold individually.

Technical Specification

Working Voltage 250V ac
 Capacitance tolerance ±20%
 Insulation resistance C<0.33µF>1500MΩ
 Pulse rise time 100V/µs
 Operating temperature -55° to +105°C



| nF | µF | Dimension | | | Lead pitch | Lead dia | Manufr. part no. |
|-----|--------|-----------|----|---|------------|----------|------------------|
| | | H | W | D | | | |
| 1.0 | 0.001 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 338-20102 |
| 1.5 | 0.0015 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 328-20152 |
| 2.2 | 0.0022 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 338-20222 |
| 3.3 | 0.0033 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 338-20332 |

| nF | µF | Dimension | | | Lead pitch | Lead dia | Manufr. part no. |
|--------|--------|-----------|------|-----|------------|----------|------------------|
| | | H | W | D | | | |
| 0.0047 | | 9 | 10 | 4 | 7.5 | 0.5 | 2222 338-20472 |
| 6.8 | 0.0068 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 338-20682 |
| 10 | 0.01 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 328-20103 |
| 15 | 0.015 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 338-20153 |
| 22 | 0.022 | 9 | 10 | 4 | 7.5 | 0.5 | 2222 328-20223 |
| 33 | 0.033 | 10.5 | 10 | 5 | 7.5 | 0.5 | 2222 328-20333 |
| 47 | 0.047 | 11.5 | 10 | 6 | 7.5 | 0.5 | 2222 338-20473 |
| 68 | 0.068 | 12 | 12.5 | 6 | 10 | 0.6 | 2222 338-20683 |
| 100 | 0.1 | 12 | 12.5 | 6 | 10 | 0.6 | 2222 338-20104 |
| 150 | 0.15 | 13.5 | 17.5 | 7 | 15 | 0.8 | 2222 338-20154 |
| 220 | 0.22 | 15 | 17.5 | 8.5 | 15 | 0.8 | 2222 338-20224 |
| 330 | 0.33 | 16.5 | 17.5 | 10 | 15 | 0.8 | 2222 338-20334 |
| 470 | 0.47 | 18 | 26 | 8.5 | 22.5 | 0.8 | 2222 338-20474 |
| 680 | 0.68 | 19.5 | 26 | 10 | 22.5 | 0.8 | 2222 328-20684 |
| 1000 | 1.0 | 22 | 26 | 12 | 22.5 | 0.8 | 2222 338-20105 |
| 1500 | 1.5 | 25 | 31 | 15 | 27.5 | 0.8 | 2222 338-20155 |
| 2200 | 2.2 | 28 | 31 | 18 | 27.5 | 0.8 | 2222 338-20225 |

| CODE | TYPE | PRICE |
|---------|-----------|-------|
| 540-162 | 1n..... | £0.39 |
| 540-163 | 1n5..... | £0.39 |
| 540-164 | 2n2..... | £0.44 |
| 540-165 | 3n3..... | £0.47 |
| 540-166 | 4n7..... | £0.47 |
| 540-167 | 6n8..... | £0.47 |
| 540-168 | 10n..... | £0.47 |
| 540-169 | 15n..... | £0.47 |
| 540-170 | 22n..... | £0.47 |
| 540-171 | 33n..... | £0.47 |
| 540-172 | 47n..... | £0.47 |
| 540-173 | 68n..... | £0.49 |
| 540-174 | 100n..... | £0.55 |
| 540-175 | 150n..... | £0.57 |
| 540-176 | 220n..... | £0.69 |
| 540-177 | 330n..... | £0.89 |
| 540-178 | 470n..... | £1.39 |
| 540-179 | 680n..... | £1.79 |
| 540-180 | 1µ..... | £2.49 |
| 540-187 | 1µ5..... | £2.49 |

PRODUCT CODES
PLEASE NOTE
IT IS VERY IMPORTANT TO USE
THE CORRECT PRODUCT CODE
FOR THE ITEMS YOU WISH TO ORDER

SQUIRES ELECTRONIC COMPONENTS

OS-CON SA SERIES SOLID ALUMINIUM ELECTROLYTIC

CAPACITORS The OS-CON is a range of solid aluminium electrolytic capacitors featuring an organic semiconductive electrolyte.

These capacitors offer several advantages

over conventional electrolytics:
excellent high frequency characteristics,
very low ESR, high ripple capability,
wide temperature range and long life.
Sold individually.



Technical Specification

| | |
|------------------------|--------------------------------------|
| Capacitance tolerance | ± 20% |
| Leakage Current | 0.01CV or 4µA (whichever is greater) |
| Life expectancy @105°C | 2000 hours (>8mm, 1000 hours) |
| Temperature range | -55° to +105°C |

| Voltage | Value | Heightmm | Diamm | Lead Pitchmm | Ripple mA@ 100kHz 45°C | ESR@ 100kHz min |
|---------|-------|----------|-------|--------------|------------------------|-----------------|
| 6.3V | 47µ | 6.8 | 6.3 | 2.5 | 1430 | 60 |
| | 150µ | 10.5 | 8.0 | 3.5 | 2780 | 30 |
| | 330µ | 10.5 | 10.0 | 5.0 | 3500 | 25 |
| 10V | 68µ | 9.8 | 6.3 | 2.5 | 2000 | 50 |
| | 100µ | 10.5 | 8.0 | 3.5 | 2670 | 30 |
| | 220µ | 10.5 | 10.0 | 5.0 | 3370 | 27 |
| 16V | 33µ | 6.8 | 6.3 | 2.5 | 1370 | 70 |
| | 100µ | 10.5 | 8.0 | 3.5 | 2740 | 30 |
| | 150µ | 10.5 | 10.0 | 5.0 | 3260 | 28 |
| 20V | 33µ | 9.8 | 6.3 | 2.5 | 1710 | 70 |
| | 47µ | 10.5 | 8.0 | 3.5 | 2560 | 40 |
| | 68µ | 10.5 | 8.0 | 3.5 | 2600 | 36 |
| | 100µ | 10.5 | 10.0 | 5.0 | 3210 | 30 |

| CODE | Voltage | Value | PRICE |
|---------|---------|-------|-------|
| 03-0204 | 6.3V | 47µ | £1.89 |
| 542-310 | 6.3V | 150µ | £2.99 |
| 542-315 | 6.3V | 330µ | £3.09 |
| 03-0206 | 10V | 68µ | £2.25 |
| 542-345 | 10V | 100µ | £2.99 |
| 03-0306 | 10V | 220µ | £4.15 |
| 03-0208 | 16V | 33µ | £1.65 |
| 542-365 | 16V | 100µ | £3.30 |
| 542-370 | 16V | 150µ | £3.05 |
| 03-0210 | 20V | 33µ | £1.80 |
| 03-0212 | 20V | 47µ | £2.69 |
| 542-375 | 20V | 100µ | £3.99 |

OS-CON SC SERIES SOLID ALUMINIUM ELECTROLYTIC

CAPACITORS The OS-CON SC series, solid aluminium electrolytic capacitors featuring an organic semiconductive electrolyte.

Ideal for noise limiter circuits and high frequency power supplies. Excellent high frequency characteristics, small case size, high ripple capability and wide temperature range and long life.



Technical Specification

| | |
|------------------------|--------------------------------------|
| Capacitance tolerance | ± 20% |
| Leakage Current | 0.01CV or 4µA (whichever is greater) |
| Life expectancy @105°C | 2000 hours (>8mm, 1000 hours) |
| Temperature range | -55° to +105°C |

| Voltage | Value | Heightmm | Diamm | Lead Pitchmm | Ripple mA@ 100kHz 45°C | ESR@ 100kHz min |
|---------|-------|----------|-------|--------------|------------------------|-----------------|
| 10V | 4.7µ | 6.8 | 4.0 | 2.0 | 540 | 280 |
| | 22µ | 6.8 | 6.3 | 2.5 | 1270 | 70 |
| | 47µ | 9.8 | 6.3 | 2.5 | 2020 | 60 |
| 16V | 4.7µ | 6.8 | 5.0 | 2.0 | 720 | 180 |
| | 10µ | 6.8 | 6.3 | 2.5 | 1150 | 90 |
| | 22µ | 9.8 | 6.3 | 2.5 | 1800 | 70 |
| 25V | 33µ | 9.8 | 6.3 | 2.5 | 1900 | 70 |
| | 1µ | 6.8 | 4.0 | 2.0 | 430 | 350 |
| | 4.7µ | 9.8 | 6.3 | 2.5 | 1130 | 100 |
| | 6.8µ | 6.8 | 6.3 | 2.5 | 1140 | 100 |
| | 10µ | 9.8 | 6.3 | 2.5 | 1150 | 90 |
| | 15µ | 9.8 | 6.3 | 2.5 | 1650 | 70 |
| | 33µ | 10.5 | 10.0 | 5.0 | 2900 | 35 |
| | 47µ | 10.5 | 10.0 | 5.0 | 2980 | 35 |

| | | | | | | |
|-----|------|------|------|-----|------|-----|
| 30V | 3.3µ | 6.8 | 6.3 | 2.5 | 820 | 200 |
| | 6.8µ | 9.8 | 6.3 | 2.5 | 1340 | 120 |
| | 10µ | 10.5 | 8.0 | 3.5 | 1380 | 110 |
| | 22µ | 10.5 | 10.0 | 5 | 1830 | 80 |

| CODE | Voltage | Value | PRICE |
|------------|---------|-------|-------|
| 10V | | | |
| 542-325 | 10V | 4µ7 | £0.69 |
| 542-335 | 10V | 22µ | £1.39 |
| 542-340 | 10V | 47µ | £1.75 |
| 16V | | | |
| 03-0216 | 16V | 4µ7 | £0.75 |
| 542-350 | 16V | 10µ | £1.05 |
| 542-355 | 16V | 22µ | £1.65 |
| 03-0308 | 16V | 33µ | £1.75 |
| 25V | | | |
| 542-380 | 25V | 1µ | £0.65 |
| 542-390 | 25V | 4µ7 | £1.15 |
| 03-0220 | 25V | 6µ8 | £1.35 |
| 542-395 | 25V | 10µ | £1.55 |
| 03-0224 | 25V | 15µ | £1.75 |
| 542-400 | 25V | 22µ | £3.49 |
| 03-0228 | 25V | 33µ | £4.20 |
| 03-0230 | 25V | 47µ | £4.99 |
| 30V | | | |
| 03-0238 | 30V | 6µ8 | £2.65 |
| 03-0240 | 30V | 10µ | £3.50 |
| 03-0242 | 30V | 22µ | £4.75 |

5mm MICROMINIATURE ELECTROLYTIC CAPACITORS

Microminiature 5mm high radial electrolytic capacitors ideal for applications requiring low profile components. Wide temperature range.



Technical Specification

| | |
|-----------------------|-------------------|
| Capacitance tolerance | ±20% |
| Leakage current | 0.01CV or 3µA max |
| Temperature range | -40° to +85°C |

| | Value | Ripple current | Case (DxL) | Pitch |
|-----|--------|----------------|------------|-------|
| 10v | 47µF | 45mA | 5 x5 | 2.0 |
| | 100µF | 72mA | 4x5 | 2.5 |
| | 10µF | 19mA | 6.3x5 | 1.5 |
| 16v | 22µF | 32mA | 5x5 | 2.0 |
| | 47µF | 50mA | 5x5 | 2.0 |
| | 10µF | 25mA | 5x5 | 2.0 |
| 35v | 22µF | 42mA | 6.3x5 | 2.5 |
| | 0.47µF | 5mA | 4x5 | 1.5 |
| | 1µF | 8mA | 4x5 | 1.5 |
| 50v | 2.2µF | 11mA | 4x5 | 1.5 |
| | 4.7µF | 19mA | 5x5 | 2.0 |

| CODE | TYPE | PRICE |
|------------|--------|-------|
| 10V | | |
| 03-0244 | 47µF | £0.32 |
| 03-0246 | 100µF | £0.33 |
| 16V | | |
| 03-0248 | 10µF | £0.28 |
| 03-0250 | 22µF | £0.28 |
| 03-0252 | 47µF | £0.33 |
| 35V | | |
| 03-0254 | 10µF | £0.33 |
| 03-0256 | 22µF | £0.34 |
| 50V | | |
| 03-0258 | 0.47µF | £0.28 |
| 03-0260 | 1µF | £0.28 |
| 03-0262 | 2µ2 | £0.28 |
| 03-0264 | 4µ7 | £0.28 |

**FREE PARKING FOR 2 HOURS
OUTSIDE OF OUR SHOP**

CONTINUED OVER

SQUIRES MODEL & CRAFT TOOLS

MICROMINIATURE ELECTROLYTIC CAPACITORS a range of radial microminiature electrolytic capacitors ideal for use where high density packaging and low profile capacitors are required. Sold individually.

Technical Specification

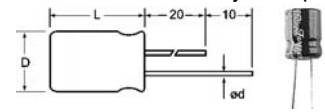
Tolerance ± 20%
 Leakage Current 0.01CV or 3µA max
 Temperature Range -40°C to +85°C
 ESR measured at 120Hz @ 25°C



| ValueµF | ESRµ | Ripplem | A | Height mm | Dia mm | Pitch mm |
|---------|------|---------|-----|-----------|--------|----------|
| 10V | 22 | 15.0 | 36 | 7.0 | 4.0 | 1.5 |
| | 47 | 7.0 | 68 | 7.0 | 5.0 | 2.0 |
| | 100 | 3.0 | 100 | 7.0 | 6.0 | 2.5 |
| | 220 | 2.0 | 125 | 7.0 | 6.0 | 2.5 |
| 16V | 10 | 28.0 | 26 | 7.0 | 4.0 | 1.5 |
| | 22 | 13.0 | 44 | 7.0 | 4.0 | 1.5 |
| | 47 | 6.0 | 74 | 7.0 | 5.0 | 2.0 |
| | 100 | 3.0 | 90 | 7.0 | 6.0 | 2.5 |
| 35V | 10 | 20 | 36 | 7.0 | 5.0 | 2.0 |
| | 22 | 9.0 | 60 | 7.0 | 6.0 | 2.5 |
| 50V | 0.47 | 352 | 7 | 7.0 | 4.0 | 1.5 |
| | 1.0 | 166 | 11 | 7.0 | 4.0 | 1.5 |
| | 2.2 | 75 | 16 | 7.0 | 4.0 | 1.5 |
| | 4.7 | 35 | 20 | 7.0 | 4.0 | 1.5 |

| CODE | TYPE | PRICE |
|------------|------------|-------|
| 10V | | |
| 541-400 | 22µ..... | £0.15 |
| 541-405 | 47µ..... | £0.18 |
| 541-410 | 100µ..... | £0.20 |
| 541-415 | 220µ..... | £0.20 |
| 16V | | |
| 541-420 | 10µ..... | £0.15 |
| 541-425 | 22µ..... | £0.15 |
| 541-430 | 47µ..... | £0.18 |
| 541-435 | 100µ..... | £0.20 |
| 35V | | |
| 541-440 | 10µ..... | £0.18 |
| 541-445 | 22µ..... | £0.21 |
| 50V | | |
| 541-450 | 0.47µ..... | £0.15 |
| 541-455 | 1.0µ..... | £0.15 |
| 541-460 | 2.2µ..... | £0.15 |
| 541-465 | 4.7µ..... | £0.15 |

RADIAL ELECTROLYTIC CAPACITORS a comprehensive range of general purpose miniature radial lead electrolytic capacitors ideal for many applications. Sold individually.



Technical Specification

Tolerance ± 20%
 Leakage Current 0.03CV or 4µA max.
 Temperature Range -40°C to +85°C
 Ripple Current Quoted @ 85°C/120Hz

| Case | Lmm | Dmm | Pitchmm | Case | Lmm | Dmm | Pitchmm |
|------|------|------|---------|------|------|------|---------|
| A | 11.5 | 5.0 | 2.0 | G | 20.0 | 13.0 | 5.0 |
| B | 11.5 | 6.0 | 2.5 | H | 25.0 | 13.0 | 5.0 |
| C | 12.0 | 8.0 | 3.5 | I | 26.0 | 16.0 | 7.5 |
| D | 12.5 | 10.0 | 5.0 | J | 20.0 | 10.0 | 5.0 |
| E | 17.5 | 10.0 | 5.0 | K | 32.0 | 16.0 | 7.5 |
| F | 18.5 | 13.0 | 5.0 | L | 36.0 | 18.0 | 7.5 |
| | | | | M | 20.0 | 10.0 | 5.0 |

| CODE | TYPE | CASE | RIPPLE(mA) | PRICE |
|------------|------------|--------|------------|-------|
| 10V | | | | |
| 541-500 | 47µ..... | A..... | 100..... | £0.10 |
| 541-505 | 100µ..... | A..... | 140..... | £0.10 |
| 540-184 | 220µ..... | B..... | 230..... | £0.12 |
| 541-510 | 470µ..... | C..... | 390..... | £0.16 |
| 541-515 | 1000µ..... | D..... | 670..... | £0.20 |
| 541-520 | 2200µ..... | M..... | 1080..... | £0.39 |
| 540-185 | 4700µ..... | H..... | 1080..... | £1.05 |
| 16V | | | | |
| 541-525 | 47µ..... | A..... | 100..... | £0.10 |
| 541-530 | 100µ..... | B..... | 170..... | £0.10 |
| 541-535 | 220µ..... | B..... | 290..... | £0.15 |
| 540-186 | 330µ..... | C..... | 350..... | £0.17 |
| 541-540 | 470µ..... | C..... | 460..... | £0.20 |
| 541-545 | 1000µ..... | E..... | 820..... | £0.30 |
| 541-550 | 2200µ..... | G..... | 1160..... | £0.55 |
| 541-555 | 4700µ..... | I..... | 1900..... | £1.10 |
| 25V | | | | |
| 541-560 | 10µ..... | A..... | 50..... | £0.10 |
| 541-565 | 22µ..... | A..... | 75..... | £0.10 |
| 540-188 | 33µ..... | A..... | 90..... | £0.12 |
| 541-570 | 47µ..... | A..... | 110..... | £0.12 |
| 541-575 | 100µ..... | B..... | 180..... | £0.15 |
| 541-580 | 220µ..... | C..... | 310..... | £0.20 |
| 540-189 | 330µ..... | D..... | 410..... | £0.25 |
| 541-585 | 470µ..... | E..... | 530..... | £0.29 |
| 541-590 | 1000µ..... | J..... | 880..... | £0.48 |
| 541-595 | 2200µ..... | H..... | 1350..... | £0.85 |
| 540-190 | 3300µ..... | I..... | 1790..... | £1.70 |
| 541-600 | 4700µ..... | K..... | 2040..... | £1.60 |
| 35V | | | | |
| 540-191 | 3µ3..... | A..... | 35..... | £0.10 |
| 541-605 | 22µ..... | A..... | 90..... | £0.10 |
| 541-610 | 47µ..... | B..... | 140..... | £0.15 |
| 541-615 | 100µ..... | C..... | 230..... | £0.16 |
| 541-620 | 220µ..... | D..... | 370..... | £0.24 |
| 540-192 | 330µ..... | E..... | 500..... | £0.33 |
| 541-625 | 470µ..... | E..... | 670..... | £0.42 |
| 541-630 | 1000µ..... | G..... | 990..... | £0.74 |
| 541-635 | 2200µ..... | I..... | 1700..... | £1.30 |
| 540-193 | 4700µ..... | L..... | 2380..... | £2.19 |
| 63V | | | | |
| 540-195 | 0.47µ..... | A..... | 15..... | £0.10 |
| 541-640 | 1µ..... | A..... | 22..... | £0.10 |
| 541-645 | 2.2µ..... | A..... | 32..... | £0.10 |
| 541-650 | 4.7µ..... | A..... | 47..... | £0.10 |
| 541-655 | 10µ..... | A..... | 60..... | £0.15 |
| 541-660 | 22µ..... | B..... | 100..... | £0.15 |
| 540-196 | 33µ..... | B..... | 130..... | £0.15 |

CONTINUED OVER

PRODUCT CODES

PLEASE NOTE

IT IS VERY IMPORTANT TO USE THE CORRECT PRODUCT CODE FOR THE ITEMS YOU WISH TO ORDER

IT IS VITAL TO INCLUDE THE PUNCTUATION IN THE CODE AND TO FORMAT THE CODE AS SHOWN IN THE CATALOGUES

SQUIRES ELECTRONIC COMPONENTS

| | | | | |
|-------------|-------|---|------|-------|
| 541-665 | 47μ | C | 170 | £0.20 |
| 541-670 | 100μ | D | 270 | £0.27 |
| 541-675 | 220μ | J | 500 | £0.45 |
| 540-197 | 330μ | G | 620 | £0.85 |
| 541-680 | 470μ | H | 820 | £0.89 |
| 540-198 | 1000μ | K | 1360 | £1.95 |
| 100V | | | | |
| 540-199 | 1μ | A | 22 | £0.15 |
| 540-201 | 2μ | A | 32 | £0.10 |
| 540-202 | 3μ | A | 39 | £0.10 |
| 540-203 | 4μ | A | 47 | £0.10 |
| 540-204 | 10μ | B | 80 | £0.15 |
| 540-206 | 22μ | C | 130 | £0.25 |
| 540-208 | 47μ | E | 230 | £0.42 |
| 540-209 | 100μ | J | 380 | £0.60 |

LOW IMPEDANCE ELECTROLYTIC CAPACITORS a comprehensive range of long life aluminium miniatureradial lead electrolytic capacitors ideal for smoothing circuits in switched mode power supplies. Sold individually.

Technical Specification

| | |
|-------------------|--------------------------------|
| Tolerance | ± 20% (120Hz +20°C) |
| Leakage Current | ≤0.01CV or 2μA |
| Temperature Range | -40°C to +85°C |
| Life Expectancy | 5000Hrs (2000 Hrs for D ≤ 8mm) |



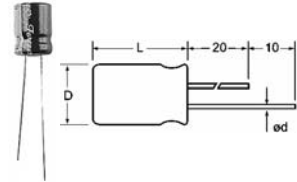
| | ValueμF | Max ImpedanceΩ | Ripple mA | Lmm | Dmm | Lead Pitchmm |
|-----|---------|----------------|-----------|-----|-----|--------------|
| 16V | 470μ | 0.114 | 528 | 17 | 10 | 5.0 |
| 25V | 47μ | 1.3 | 230 | 11 | 6.3 | 2.5 |
| | 100μ | 0.35 | 300 | 12 | 8 | 3.5 |
| | 470μ | 0.076 | 1040 | 20 | 10 | 5.0 |
| 35V | 100μ | 0.25 | 390 | 11 | 5 | 2.0 |
| | 220μ | 0.114 | 740 | 17 | 10 | 5.0 |
| | 470μ | 0.065 | 1050 | 30 | 10 | 5.0 |
| 50V | 2μ | 2.8 | 33 | 11 | 5 | 2.0 |
| | 4μ | 2.4 | 58 | 11 | 5 | 2.0 |
| | 10μ | 2.0 | 100 | 11 | 5 | 2.0 |
| | 22μ | 1.3 | 135 | 11 | 6.3 | 2.5 |
| | 47μ | 0.7 | 285 | 12 | 8 | 3.5 |

| CODE | TYPE | PRICE |
|------------|------|-------|
| 16V | | |
| 541-900 | 470μ | £0.50 |
| 25V | | |
| 541-910 | 47μ | £0.20 |
| 541-915 | 100μ | £0.30 |
| 541-920 | 470μ | £1.15 |
| 35V | | |
| 541-930 | 100μ | £0.40 |
| 541-935 | 220μ | £0.55 |
| 541-940 | 470μ | £1.00 |
| 50V | | |
| 541-945 | 2μ | £0.19 |
| 541-950 | 4μ | £0.19 |
| 541-955 | 10μ | £0.20 |
| 541-960 | 22μ | £0.25 |
| 541-965 | 47μ | £0.35 |

105°C LOW IMPEDANCE ELECTROLYTIC CAPACITORS a range of very long life aluminium electrolytic capacitors with ultra low impedance and excellent ripple current capability.

Technical Specification

| | |
|------------------------------|--------------------|
| Operating temperature range: | -55°C to +105°C |
| Capacitance tolerance: | ±20% at 25°C 120Hz |
| Leakage current: | 0.02CV or 3μA |
| Load life: | 5000hrs @ 105°C |
| Shelf life: | 1000hrs @ 105°C |



| CODE | TYPE | Value | Dia.mm | Len.mm | Pitch mm | PRICE |
|------------|--------|-------|--------|--------|----------|-------|
| 10V | | | | | | |
| 03-3660 | 100μF | 5 | 11 | 2 | | £0.20 |
| 03-3662 | 220μF | 6 | 11 | 2.5 | | £0.20 |
| 03-3664 | 470μF | 8 | 12 | 3.5 | | £0.25 |
| 16V | | | | | | |
| 03-3666 | 100μF | 6 | 11 | 2.5 | | £0.20 |
| 03-3668 | 220μF | 6 | 11 | 2.5 | | £0.25 |
| 03-2997 | 470μF | 8 | 16 | 3.5 | | £0.25 |
| 03-2998 | 1000μF | 10 | 21 | 5 | | £0.29 |
| 25V | | | | | | |
| 03-2921 | 47μF | 5 | 12 | 2 | | £0.20 |
| 03-2922 | 100μF | 6 | 12 | 2.5 | | £0.20 |
| 03-2923 | 470μF | 10 | 16 | 5 | | £0.29 |
| 03-2924 | 1000μF | 12 | 20 | 5 | | £0.45 |
| 35V | | | | | | |
| 03-2925 | 100μF | 8 | 12 | 3.5 | | £0.20 |
| 03-2926 | 220μF | 8 | 12 | 3.5 | | £0.29 |
| 03-2927 | 470μF | 10 | 17 | 5 | | £0.39 |
| 50V | | | | | | |
| 03-2928 | 2.2μF | 5 | 11 | 2 | | £0.20 |
| 03-2929 | 4.7μF | 5 | 11 | 2 | | £0.20 |
| 03-0930 | 10μF | 5 | 11 | 2 | | £0.20 |
| 03-2931 | 22μF | 5 | 12 | 2 | | £0.20 |
| 03-0932 | 47μF | 6 | 12 | 2.5 | | £0.20 |
| 03-0934 | 220μF | 10 | 16 | 7.5 | | £0.20 |
| 03-2935 | 1000μF | 16 | 26 | 7.5 | | £0.90 |

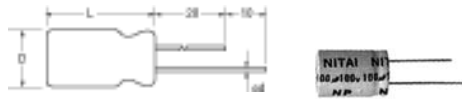
CAPACITOR CONVERSION TABLE

| | | |
|------------|------------|---------------|
| 0.000001μF | = 0.001nF | = 1pF |
| 0.00001μF | = 0.01nF | = 10pF |
| 0.0001μF | = 0.1nF | = 100pF |
| 0.001μF | = 1nF | = 1000pF |
| 0.01μF | = 10nF | = 10000pF |
| 0.1μF | = 100nF | = 100000pF |
| 1μF | = 1000nF | = 1000000pF |
| 10μF | = 10000nF | = 10000000pF |
| 100μF | = 100000nF | = 100000000pF |

IF THERE ARE OTHER PRODUCTS THAT YOU WOULD LIKE US TO STOCK, PLEASE FEEL FREE TO LET US KNOW.

SQUIRES MODEL & CRAFT TOOLS

NON-POLARISED 85°C RADIAL CAPACITORS A range of radial wire-ended general purpose non-polarised aluminium electrolytic capacitors. Ideally suited for applications where polarity is not constant, or reverse voltage may be applied e.g. speaker crossover networks, interstage coupling. Nital NPR series. Sold individually.



Technical Specification

| | |
|-------------------|--------------------------------------|
| Tolerance | ±20% |
| Leakage current | 0.03CV or 3µA (whichever is greater) |
| Life expectancy | 1000 hours |
| Temperature range | -40° to +85°C |

| | | | | | | | |
|-----------|------|------|-----|-----------|----|----|-----|
| Case Code | L | D | f | Case Code | L | D | f |
| A | 11.0 | 5.0 | 2.0 | F | 20 | 10 | 5.0 |
| B | 11.0 | 6.0 | 2.5 | G | 20 | 13 | 5.0 |
| C | 11.5 | 8.0 | 3.5 | H | 25 | 13 | 5.0 |
| D | 12.5 | 10.5 | 5.0 | J | 25 | 16 | 7.5 |
| E | 16.0 | 10.0 | 5.0 | | | | |

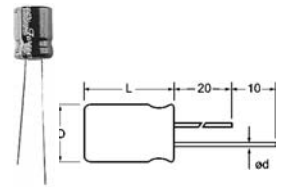
| CODE | VALUE | CASE | PRICE |
|-------------|------------------|------|-------|
| 16V | | | |
| 540-211 | 1µ.....A..... | | £0.15 |
| 540-212 | 2µ2.....A..... | | £0.15 |
| 540-213 | 4µ7.....A..... | | £0.15 |
| 540-214 | 10µ.....A..... | | £0.15 |
| 540-216 | 22µ.....A..... | | £0.16 |
| 540-217 | 47µ.....B..... | | £0.16 |
| 540-218 | 100µ.....C..... | | £0.25 |
| 540-219 | 220µ.....D..... | | £0.38 |
| 540-221 | 470µ.....F..... | | £0.60 |
| 540-222 | 1000µ.....H..... | | £1.15 |
| 35V | | | |
| 542-195 | 0.47µ.....A..... | | £0.15 |
| 540-223 | 1µ.....A..... | | £0.15 |
| 540-224 | 2µ2.....A..... | | £0.15 |
| 540-226 | 4µ7.....A..... | | £0.15 |
| 540-227 | 10µ.....A..... | | £0.15 |
| 540-228 | 22µ.....B..... | | £0.20 |
| 540-229 | 33µ.....C..... | | £0.26 |
| 540-231 | 47µ.....C..... | | £0.29 |
| 03-3077 | 100µ.....C..... | | £0.29 |
| 540-233 | 220µ.....C..... | | £0.29 |
| 03-3079 | 470µ.....C..... | | £0.30 |
| 63V | | | |
| 540-237 | 1µ.....A..... | | £0.15 |
| 540-238 | 2µ2.....A..... | | £0.15 |
| 540-239 | 4µ7.....B..... | | £0.21 |
| 540-241 | 10µ.....B..... | | £0.21 |
| 540-246 | 100µ.....G..... | | £1.05 |
| 100V | | | |
| 540-248 | 0µ47.....A..... | | £0.18 |
| 540-251 | 2µ2.....B..... | | £0.18 |
| 540-252 | 3µ3.....B..... | | £0.22 |
| 540-253 | 4µ7.....B..... | | £0.23 |
| 540-254 | 10µ.....C..... | | £0.33 |
| 540-256 | 22µ.....E..... | | £0.65 |
| 540-257 | 47µ.....G..... | | £0.88 |

105°C RADIAL ELECTROLYTIC CAPACITORS mini 105°C working electrolytic capacitors with a wide temperature range.

Technical Specification

| | |
|------------------------------|--------------------------|
| Capacitance tolerance: | ±20% |
| Leakage current: | 0.01CV +3(µA) max. |
| Ripple current: | measured at 120Hz, 105°C |
| Working voltage: | 16V 25V 35V 63V |
| Surge voltage: | 20V 32V 44V 79V |
| Dissipation factor tan: | 0.17 0.15 0.12 0.1 |
| Operating temperature range: | -40°C to +105°C |

| Case code | Length | Dia. | Pitch |
|-----------|--------|------|-------|
| A | 11 | 5 | 2 |
| B | 11 | 6.3 | 2.5 |
| C | 11 | 8 | 3.5 |
| D | 12.5 | 10 | 5 |
| E | 16 | 10 | 5 |
| G | 21 | 13 | 5 |



| CODE | TYPE | CASE | RIPPLE (mA) | PRICE |
|------------|------------------|----------|-------------|-------|
| 16V | | | | |
| 03-1105 | 47µ.....A..... | 60..... | | £0.15 |
| 03-1110 | 100µ.....B..... | 100..... | | £0.15 |
| 03-1115 | 220µ.....C..... | 170..... | | £0.15 |
| 03-1120 | 470µ.....D..... | 270..... | | £0.29 |
| 03-1125 | 1000µ.....E..... | 490..... | | £0.39 |
| 03-1130 | 2200µ.....G..... | 700..... | | £0.41 |
| 25V | | | | |
| 03-1160 | 22µ.....A..... | 44..... | | £0.15 |
| 03-1170 | 100µ.....B..... | 110..... | | £0.15 |
| 03-1175 | 220µ.....C..... | 180..... | | £0.15 |
| 03-1180 | 470µ.....E..... | 320..... | | £0.25 |
| 03-1185 | 1000µ.....G..... | 530..... | | £0.35 |
| 35V | | | | |
| 03-1220 | 10µ.....A..... | 37..... | | £0.15 |
| 03-1225 | 22µ.....A..... | 55..... | | £0.15 |
| 03-1230 | 47µ.....B..... | 80..... | | £0.15 |
| 03-1235 | 100µ.....C..... | 140..... | | £0.15 |
| 03-1240 | 220µ.....D..... | 220..... | | £0.25 |
| 03-1245 | 470µ.....E..... | 400..... | | £0.35 |
| 03-1250 | 1000µ.....G..... | 530..... | | £0.59 |
| 63V | | | | |
| 03-1280 | 1µ.....A..... | 13..... | | £0.15 |
| 03-1285 | 2.2µ.....A..... | 19..... | | £0.15 |
| 03-1290 | 4.7µ.....A..... | 28..... | | £0.15 |
| 03-1295 | 10µ.....A..... | 37..... | | £0.15 |
| 03-1305 | 47µ.....C..... | 100..... | | £0.15 |
| 03-1310 | 100µ.....E..... | 160..... | | £0.35 |

DIPPED RADIAL ELECTROLYTIC CAPACITORS A range of electrolytic capacitors with an epoxy resin coating especially designed to give better low leakage and low impedance characteristics. An economic alternative to dipped tantalum bead capacitors for low frequency applications.



Technical Specification

| | |
|---------------------------|---|
| Tolerance | ±20% |
| Leakage current (at 85°C) | 0.0022CV or 5µA whichever is greater (after 5 mins) |
| Temperature range | -40°C to +105°C |

| Voltage | Value | H | Dia | Pitch |
|---------|--------|----|-----|-------|
| 25V | 4µ7 | 10 | 4.5 | 2.5 |
| 35V | 0.22µF | 10 | 4.5 | 2.5 |
| 35V | 0.47µF | 10 | 4.5 | 2.5 |

| CODE | TYPE | PRICE |
|------------|-----------|-------|
| 25V | | |
| 540-982 | 4µ7..... | £0.39 |
| 35V | | |
| 540-992 | 0µ22..... | £0.39 |
| 540-994 | 0µ47..... | £0.39 |

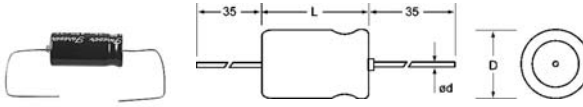
PRODUCT CODES

PLEASE NOTE

IT IS VERY IMPORTANT TO USE THE CORRECT PRODUCT CODE FOR THE ITEMS YOU WISH TO ORDER

SQUIRES ELECTRONIC COMPONENTS

AXIAL ELECTROLYTIC CAPACITORS a comprehensive range of general purpose miniature axial lead electrolytic capacitors ideal for many applications. Sold individually.



Technical Specification

Tolerance ± 20%
 Climatic Category 40/085/56 (IEC 688)
 Temperature Range -40°C to +85°C
 Manufactured to IEC 384-4, DIN 41316
 Ripple Current Quoted @ 85°C/120Hz

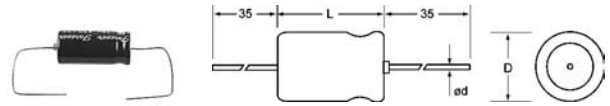
| Case | Lmm | Dmm | dmm | Case | Lmm | Dmm | dmm |
|------|------|------|-----|------|------|------|-----|
| A | 12.0 | 5.0 | 0.5 | G | 21.0 | 13.0 | 0.6 |
| B | 12.0 | 6.0 | 0.5 | H | 26.0 | 13.0 | 0.6 |
| C | 13.0 | 8.0 | 0.6 | I | 27.0 | 16.0 | 0.8 |
| D | 17.0 | 8.0 | 0.6 | J | 33.0 | 16.0 | 0.8 |
| E | 18.0 | 10.0 | 0.6 | K | 36.0 | 18.0 | 0.8 |
| F | 21.0 | 10.0 | 0.6 | L | 43.0 | 20.0 | 1.0 |

| CODE | TYPE | CASE | RIPPLE _(mA) | PRICE |
|------------|-------|------|------------------------|-------|
| 10V | | | | |
| 541-700 | 47µ | B | 100 | £0.25 |
| 541-705 | 100µ | B | 290 | £0.29 |
| 541-710 | 1000µ | E | 1000 | £0.50 |
| 541-715 | 2200µ | G | 1560 | £0.80 |
| 16V | | | | |
| 541-720 | 47µ | B | 200 | £0.25 |
| 541-725 | 100µ | B | 330 | £0.30 |
| 541-730 | 220µ | D | 490 | £0.40 |
| 541-735 | 470µ | E | 740 | £0.55 |
| 541-740 | 1000µ | F | 1130 | £0.70 |
| 541-745 | 2200µ | H | 1750 | £0.95 |
| 541-750 | 4700µ | J | 2220 | £1.65 |
| 25V | | | | |
| 541-755 | 10µ | B | 90 | £0.25 |
| 541-760 | 22µ | B | 160 | £0.25 |
| 541-765 | 47µ | B | 240 | £0.30 |
| 541-770 | 100µ | C | 360 | £0.30 |
| 541-775 | 220µ | D | 540 | £0.35 |
| 541-780 | 470µ | F | 810 | £0.50 |
| 541-785 | 1000µ | G | 1130 | £0.80 |
| 541-790 | 2200µ | I | 1870 | £1.35 |
| 541-795 | 4700µ | J | 2690 | £1.95 |
| 35V | | | | |
| 541-800 | 10µ | B | 105 | £0.25 |
| 541-805 | 22µ | B | 180 | £0.25 |
| 541-810 | 47µ | C | 270 | £0.30 |
| 541-815 | 100µ | D | 400 | £0.35 |
| 541-820 | 220µ | E | 600 | £0.45 |
| 541-825 | 470µ | G | 290 | £0.65 |
| 63V | | | | |
| 541-830 | 1µ | B | 5 | £0.25 |
| 541-835 | 2.2µ | B | 45 | £0.25 |
| 541-840 | 4.7µ | B | 80 | £0.25 |
| 541-845 | 10µ | B | 120 | £0.25 |
| 541-850 | 47µ | D | 290 | £0.35 |
| 541-855 | 100µ | E | 450 | £0.50 |

HIGH VOLTAGE 105°C AXIAL ELECTROLYTIC CAPACITORS a range of general purpose 105°C axial electrolytic capacitors with excellent temperature performance. They are wire ended in an aluminium case with PVC sleeve and have a long life.

Technical Specification

Operating temperature range: -40°C to +105°C
 Capacitance tolerance: ±20% at 20°C 120Hz
 Leakage current: 0.002CV or 3µA
 Load life: 1000hrs @ 105°C
 Shelf life: 1000hrs @ 105°C



| CODE | TYPE | Value | Dia.mm | Length mm | Lead Wire mm | PRICE |
|-------------|-------|-------|--------|-----------|--------------|-------|
| 25V | | | | | | |
| 03-2718 | 10µF | 5 | 12 | 0.6 | | £0.35 |
| 03-2719 | 22µF | 5 | 12 | 0.6 | | £0.35 |
| 03-2720 | 47µF | 6 | 12 | 0.6 | | £0.39 |
| 03-2721 | 100µF | 8 | 13 | 0.6 | | £0.39 |
| 63V | | | | | | |
| 03-2727 | 10µF | 6 | 12 | 0.6 | | £0.35 |
| 03-2728 | 22µF | 6.3 | 14 | 0.6 | | £0.35 |
| 03-2730 | 100µF | 10 | 17 | 0.8 | | £0.45 |
| 03-2731 | 220µF | 13 | 22 | 0.8 | | £0.59 |
| 03-2732 | 470µF | 13 | 27 | 0.8 | | £0.89 |
| 100V | | | | | | |
| 03-2734 | 1µF | 5 | 12 | 0.6 | | £0.35 |
| 03-2735 | 2.2µF | 5 | 12 | 0.6 | | £0.35 |
| 03-2736 | 4.7µF | 6 | 12 | 0.6 | | £0.39 |
| 03-2737 | 10µF | 6.3 | 14 | 0.6 | | £0.39 |
| 03-2738 | 22µF | 8 | 16 | 0.8 | | £0.45 |
| 03-2739 | 47µF | 10 | 21 | 0.8 | | £0.59 |
| 03-2740 | 100µF | 13 | 22 | 0.8 | | £0.79 |
| 03-2741 | 220µF | 16 | 28 | 0.8 | | £0.99 |

SNAP-IN 85°C PCB ELECTROLYTIC CAPACITORS a range of long life snap-in electrolytic capacitors with terminals on a 10mm pitch. PCB mounting and suitable for high ripple current. Used in switching power supplies.

Technical Specification

Operating temperature range: -40°C to +85°C
 Capacitance tolerance: ±20% at 25°C 120Hz
 Leakage current: 0.01CV or 1.5mA
 Pitch: 10mm
 Load life: 2000hrs @ 85°C
 Shelf life: 1000hrs @ 85°C



| CODE | TYPE | Value | Dia.mm | Length mm | PRICE |
|-------------|---------|-------|--------|-----------|-------|
| 10V | | | | | |
| 03-2899 | 10000µF | 22 | 25 | | £1.09 |
| 16V | | | | | |
| 03-2905 | 4700µF | 22 | 25 | | £1.49 |
| 03-2990 | 10000µF | 22 | 30 | | £1.49 |
| 35V | | | | | |
| 03-2908 | 4700µF | 22 | 25 | | £1.25 |
| 63V | | | | | |
| 03-2993 | 4700µF | 22 | 50 | | £2.70 |
| 100V | | | | | |
| 03-2912 | 4700µF | 35 | 50 | | £5.99 |
| 200V | | | | | |
| 03-2913 | 220µF | 22 | 25 | | £1.40 |
| 03-2914 | 470µF | 22 | 40 | | £1.99 |
| 400V | | | | | |
| 03-2916 | 100µF | 22 | 30 | | £1.99 |
| 03-2996 | 220µF | 25 | 45 | | £3.90 |
| 03-2918 | 470µF | 30 | 50 | | £6.99 |

PRODUCT CODES

PLEASE NOTE

IT IS VERY IMPORTANT TO USE THE CORRECT PRODUCT CODE FOR THE ITEMS YOU WISH TO ORDER

SQUIRES MODEL & CRAFT TOOLS

SNAP-IN 105°C PCB ELECTROLYTIC CAPACITORS a range of long life snap-in electrolytic capacitors with terminals on a 10mm pitch. PCB mounting and suitable for high ripple current. Used in switching power supplies.

Technical Specification

Operating temperature range: -40°C to +105°C
 Capacitance tolerance: ±20% at 25°C 120Hz
 Leakage current: 0.01CV or 1.5mA
 Pitch: 10mm
 Load life: 2000hrs @ 105°C
 Shelf life: 1000hrs @ 105°C



| CODE | TYPE | PRICE |
|------------|----------------------------|-------|
| Value | Dia.mm Length mm | |
| 16V | | |
| 03-2901 | 22000µF.. 30..... 40..... | £1.99 |
| 35V | | |
| 03-2902 | 10000µF.. 30..... 40..... | £2.49 |
| 63V | | |
| 03-2904 | 4700µF.... 30..... 50..... | £2.99 |

NYLON CAPACITOR MOUNTING CLIPS a range of capacitor mounting clips moulded in nylon, providing a secure mechanical mounting with excellent insulating properties. They are raised by 25mm with 2 or 3 mounting lugs.

Technical Specification

Mounting hole diameter: 4.7mm
 Clamp hole diameter: 4.0mm
 Height above chassis: 25mm



| CODE | TYPE | PRICE |
|---------|--|-------|
| 03-3000 | Nylon Capacitor Mounting Clip 25mm dia. 2 Lug. | £0.99 |
| 03-3002 | Nylon Capacitor Mounting Clip 30mm dia. 2 Lug. | £0.99 |
| 03-3004 | Nylon Capacitor Mounting Clip 35mm dia. 2 Lug. | £0.99 |
| 03-3006 | Nylon Capacitor Mounting Clip 40mm dia. 2 Lug. | £0.99 |
| 03-3008 | Nylon Capacitor Mounting Clip 45mm dia. 2 Lug. | £0.99 |
| 03-3010 | Nylon Capacitor Mounting Clip 50mm dia. 2 Lug. | £0.99 |

TANTALUM BEAD CAPACITOR a range of tantalum bead capacitors, suitable applications include coupling, decoupling and timing circuits. Ideal for use where high reliability and small size is required at a low cost. With a 2.5mm pitch.



Technical Specification

Tolerance: ±20%
 Leakage current: <0.01CV or 0.5µA whichever is greater.
 Temperature range: -55°C to +125°C

Dimensions (mm)

| Case | Depth | Height | Height |
|------|-------|--------|--------|
| Code | | 2.5mm | 5.0mm |
| A | 3.7 | 7.0 | 9.5 |
| B | 4.0 | 7.5 | 10.5 |
| C | 4.5 | 8.0 | 10.5 |
| D | 5.0 | 9.0 | 11.5 |
| E | 5.5 | 10.0 | 12.5 |

| CODE | TYPE | CASE | PRICE |
|------------|-----------|--------|-------|
| 10V | | | |
| 03-1000 | 4µ7..... | A..... | £0.29 |
| 03-1002 | 6µ8..... | A..... | £0.29 |
| 03-1004 | 10µF..... | B..... | £0.30 |
| 03-1006 | 15µF..... | B..... | £0.30 |
| 03-1008 | 22µF..... | C..... | £0.30 |
| 03-1010 | 33µF..... | D..... | £0.39 |
| 03-1012 | 47µF..... | D..... | £0.39 |
| 16V | | | |
| 03-1014 | 2µ2..... | A..... | £0.25 |
| 03-1016 | 3µ3..... | A..... | £0.25 |
| 03-1018 | 4µ7..... | B..... | £0.25 |
| 03-1020 | 6µ8..... | B..... | £0.25 |
| 03-1022 | 10µF..... | C..... | £0.29 |
| 03-1026 | 22µF..... | D..... | £0.39 |
| 03-1028 | 33µF..... | E..... | £0.49 |
| 03-1030 | 47µF..... | E..... | £0.60 |
| 25V | | | |
| 03-1036 | 1µF..... | A..... | £0.27 |
| 03-1038 | 2µ2..... | B..... | £0.27 |
| 03-1040 | 3µ3..... | B..... | £0.29 |
| 03-1042 | 4µ7..... | C..... | £0.29 |
| 03-1044 | 6µ8..... | D..... | £0.35 |
| 03-1046 | 10µF..... | D..... | £0.35 |
| 03-1048 | 15µF..... | E..... | £0.60 |
| 35V | | | |
| 03-1056 | 0µ1..... | A..... | £0.26 |
| 03-1058 | 0µ22..... | A..... | £0.26 |
| 03-1060 | 0µ33..... | A..... | £0.26 |
| 03-1062 | 0µ47..... | A..... | £0.27 |
| 03-1068 | 1µF..... | B..... | £0.29 |
| 03-1070 | 2µ2..... | C..... | £0.29 |
| 03-1072 | 3µ3..... | D..... | £0.29 |
| 03-1074 | 4µ7..... | D..... | £0.29 |
| 03-1076 | 6µ8..... | E..... | £0.39 |
| 03-1078 | 10µF..... | E..... | £0.69 |

EXHIBITION SALES STAND

WE AIM TO EXHIBIT AS WIDE A RANGE AS POSSIBLE AT SHOWS, BUT DUE TO SPACE RESTRICTIONS WE ARE NOT ABLE TO FEATURE EVERY PRODUCT. IF YOU CONTACT US A FEW DAYS PRIOR TO AN EVENT WE WILL TRY TO ENSURE A PRODUCTS AVAILABILITY AT THAT SHOW.

IF THERE ARE OTHER PRODUCTS THAT YOU WOULD LIKE US TO STOCK, PLEASE FEEL FREE TO LET US KNOW.

CAPACITOR CONVERSION TABLE

| | | |
|------------|------------|---------------|
| 0.000001µF | = 0.001nF | = 1pF |
| 0.00001µF | = 0.01nF | = 10pF |
| 0.0001µF | = 0.1nF | = 100pF |
| 0.001µF | = 1nF | = 1000pF |
| 0.01µF | = 10nF | = 10000pF |
| 0.1µF | = 100nF | = 100000pF |
| 1µF | = 1000nF | = 1000000pF |
| 10µF | = 10000nF | = 10000000pF |
| 100µF | = 100000nF | = 100000000pF |

SQUIRES ELECTRONIC COMPONENTS

TANTALUM BEAD CAPACITORS a range of tantalum bead capacitors, suitable applications include coupling, decoupling and timing circuits. Ideal for use where high reliability and small size is required at a low cost. Available with a 5mm pitch.



Technical Specification

Tolerance $\pm 20\%$
 Leakage current $< 0.01CV$ or $0.5\mu A$ whichever is greater.
 Temperature range $-55^{\circ}C$ to $+125^{\circ}C$

| Dimensions (mm) | Case | Depth | Height |
|-----------------|------|-------|--------|
| | Code | | 5.0mm |
| | A | 3.7 | 9.5 |
| | B | 4.0 | 10.5 |
| | C | 4.5 | 10.5 |
| | D | 5.0 | 11.5 |
| | E | 5.5 | 12.5 |

| CODE | TYPE | CASE | PRICE |
|------------|------------|------|-------|
| 10V | | | |
| 542-442 | 4 $\mu 7$ | A | £0.30 |
| 542-444 | 6 $\mu 8$ | A | £0.30 |
| 542-446 | 10 μF | B | £0.50 |
| 542-448 | 15 μF | B | £0.50 |
| 542-450 | 22 μF | C | £0.55 |
| 542-454 | 47 μF | D | £1.00 |
| 16V | | | |
| 542-010 | 2 $\mu 2$ | A | £0.30 |
| 542-456 | 3 $\mu 3$ | A | £0.35 |
| 542-015 | 4 $\mu 7$ | B | £0.30 |
| 542-458 | 6 $\mu 8$ | B | £0.30 |
| 542-020 | 10 μF | C | £0.50 |
| 542-460 | 15 μF | D | £0.65 |
| 542-025 | 22 μF | D | £0.75 |
| 542-030 | 33 μF | E | £0.90 |
| 542-035 | 47 μF | E | £1.55 |
| 25V | | | |
| 542-462 | 1 μF | A | £0.30 |
| 542-045 | 2 $\mu 2$ | B | £0.30 |
| 542-050 | 3 $\mu 3$ | B | £0.45 |
| 542-055 | 4 $\mu 7$ | C | £0.55 |
| 542-060 | 6 $\mu 8$ | D | £0.50 |
| 542-065 | 10 μF | D | £0.70 |
| 542-430 | 22 μF | E | £1.20 |
| 35V | | | |
| 542-070 | 0 $\mu 1$ | A | £0.30 |
| 542-075 | 0 $\mu 22$ | A | £0.30 |
| 542-080 | 0 $\mu 33$ | A | £0.30 |
| 542-085 | 0 $\mu 47$ | A | £0.30 |
| 542-090 | 1 μF | A | £0.30 |
| 542-440 | 2 $\mu 2$ | C | £0.35 |
| 542-466 | 3 $\mu 3$ | D | £0.55 |
| 542-095 | 4 $\mu 7$ | D | £0.70 |
| 542-468 | 6 $\mu 8$ | E | £0.80 |
| 542-100 | 10 μF | E | £0.99 |

MINIATURE TRIMMER CAPACITORS a range of miniature single turn trimmer capacitors suitable for 0.1 inch pcb mounting. Sold individually.

Technical Specification

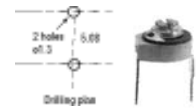
Dielectric Polypropylene
 Rated Voltage 100 V dc
 Temperature Range $-40^{\circ}C$ to $+70^{\circ}C$



| CODE | TYPE | Colour | PRICE |
|---------|----------|--------|-------|
| 542-130 | 2-10pF | Yellow | £1.35 |
| 542-135 | 2-22pF | Green | £1.80 |
| 542-140 | 5.5-65pF | Yellow | £1.80 |

ULTRAMINIATURE TRIMMER CAPACITORS A range of ultra-miniature trimmer capacitors with connection on a 5mm pitch. Sold individually.

Technical specification
 Voltage rating 200V dc
 Insulation resistance 10M
 Operating temperature -20° to $+80^{\circ}C$
 Dimensions (Height above board) 6mm
 Max width 5.8mm



| Capacitance (pF) | Q min. @ 10MHz | Temp coefficient | C max |
|------------------|----------------|------------------|-------|
| min 1.5 | 300 | NPO ± 250 | |
| max 6 | 300 | N600 ± 250 | |
| 2.8 | 300 | N750 ± 300 | |
| 3.5 | 300 | N1500 ± 300 | |
| 5 | 300 | N1500 ± 500 | |
| 5.5 | 300 | | |

| CODE | TYPE | PRICE |
|---------|---|-------|
| 540-259 | Ultraminiature Trimmer Capacitor 1.5-6pF | £1.20 |
| 540-261 | Ultraminiature Trimmer Capacitor 2.8-12.5pF | £1.20 |
| 540-262 | Ultraminiature Trimmer Capacitor 3.5-20pF | £1.20 |
| 540-263 | Ultraminiature Trimmer Capacitor 5-30pF | £1.20 |
| 540-264 | Ultraminiature Trimmer Capacitor 5.5-50pF | £1.20 |

MINIATURE CERAMIC TRIMMER CAPACITORS a range of miniature single turn ceramic trimmer capacitors suitable for pcb mounting. Capacitor measures 6mm dia with a mounting height of 5mm, leads are on 5mm pitch. Sold individually.



Technical Specification

| Value (pF) | Temp. Coefficient (ppm/ $^{\circ}C$) | Q min at 1MHz C Max | Working Voltage VDC |
|------------|---------------------------------------|---------------------|---------------------|
| 1.5 - 5 | ± 200 | 300 | 100 |
| 3 - 11 | ± 300 | 500 | 100 |
| 4.2 - 20 | ± 300 | 500 | 100 |
| 5.2 - 30 | ± 300 | 500 | 100 |
| 6 - 50 | ± 300 | 300 | 50 |

| CODE | TYPE | Colour | PRICE |
|---------|------------|--------|-------|
| 542-155 | 3.0 - 11pF | White | £0.69 |
| 542-160 | 4.2 - 20pF | Red | £0.69 |
| 542-165 | 5.2 - 30pF | Green | £0.69 |
| 542-170 | 6.0 - 50pF | Orange | £1.29 |

MINIATURE TUNING CAPACITOR a miniature tuning capacitor that includes AM and FM sections with trimmers on a single shaft. This component is suitable for a variety of applications such as for use with a ZN414 tuning IC, crystal sets and tuned circuits. It has a flattened $\phi 6mm$ control shaft with a tapped M2.5 thread. Dimensions 20 x 20 x 12.5mm.

Technical Specification

Capacitance max.: AM 126pF
 FM 20pF
 Capacitance min.: AM 5pF
 FM 4pF
 Tolerance: AM $\pm 1.5pF \pm 1.8\%$
 FM $\pm 1.2pF$
 Trimmer capacitance: $> 5pF$
 Working voltage max.: 50V DC
 Insulation resistance: $> 100M\Omega$
 Contact resistance: $< 20m\Omega$
 Q: AM > 500 @ 10MHz, 50pF
 FM > 150 @ 10MHz, 10pF
 Rotation torque: 60 to 350gf/cm
 End stop torque: $> 8kgf/cm$
 Trimmer torque: 50 to 280gf/cm
 Temperature range: $-10^{\circ}C$ to $+40^{\circ}C$
 Operating temperature range: -25 to $+85^{\circ}C$



| CODE | TYPE | PRICE |
|---------|----------------------------|-------|
| 03-1251 | Miniature Tuning Capacitor | £1.49 |

SQUIRES MODEL & CRAFT TOOLS

MINIATURE TUNING CAPACITOR A miniature tuning capacitor suitable of AM radio circuits and crystal sets. Comprising antenna/oscillator sections with trimmers. 6mm diameter control shaft, shaft rotation 180°. Pin size 1.6mm. Two 2.6mm tapped fixing holes.



Technical Specification

| | |
|------------------------|--------------------------------|
| Dimensions | 20.2 x 20.2 x 10.8mm |
| Rotation | 180° |
| Voltage | 100VDC |
| Temperature | -5°C to +35°C |
| Dielectric | Polyethylene film |
| Case material | Polypropylene |
| Shaft material | Brass |
| Stator material | Brass/aluminium |
| Control shaft | Length 10mm, Diameter 6.6mm |
| Pitch | 7.3mm |
| Antenna capacitance | 3.0 - 141.6pF |
| Oscillator capacitance | 4.0 - 59.2pF |
| Tolerance | ±1.0pF +1.5%(at full rotation) |

| CODE | TYPE | PRICE |
|---------|--------------------------|-------|
| 03-0302 | AM Tuning Capacitor..... | £1.79 |

PLASTIC CASE MOTOR RUN CAPACITORS a plastic-cased self-healing metallised polypropylene capacitor for motor start and motor run applications. Fitted with a M8 x 10mm stud for mounting and an internal anti-pressure build-up safety mechanism. Termination is via a double ¼in push-in receptacle. UL recognised meeting the requirements of flammability test to UL 94V-0.

Technical Specification

| | |
|--------------------------|----------------------------------|
| Max. continuous voltage: | 450V AC |
| Tolerance: | ±5% |
| Dissipation factor 20°C: | 20 x 10 ⁻⁴ (50Hz) |
| Temperature range: | -25°C to +85°C |
| Approvals: | VDE 560-8, CEI 33-3, SEV 1029 |

The 4.16.10 series is VDE approved at 400V, 10,000 hours
The 4.16.15 series is VDE approved at 400V, 30,000 hours and 450V 10,000 hours



| CODE | TYPE | PRICE |
|---------|---------------------------|--------|
| | Value Dia.mm Height mm | |
| 03-2930 | 1µF..... 28..... 55..... | £3.99 |
| 03-2932 | 2µF..... 28..... 55..... | £4.10 |
| 03-2934 | 3µF..... 28..... 55..... | £4.35 |
| 03-2936 | 4µF..... 28..... 55..... | £4.55 |
| 03-2938 | 5µF..... 28..... 55..... | £5.75 |
| 03-2940 | 8µF..... 32..... 55..... | £5.99 |
| 03-2942 | 10µF..... 36..... 58..... | £6.50 |
| 03-2944 | 12µF..... 36..... 70..... | £6.99 |
| 03-2946 | 15µF..... 36..... 70..... | £7.79 |
| 03-2948 | 18µF..... 40..... 70..... | £9.25 |
| 03-2950 | 20µF..... 40..... 70..... | £9.99 |
| 03-2952 | 25µF..... 40..... 92..... | £11.99 |
| 03-2954 | 30µF..... 40..... 92..... | £13.25 |
| 03-2956 | 40µF..... 45..... 92..... | £16.99 |

CAPACITOR CONVERSION TABLE

| |
|--------------------------------|
| 0.000001µF = 0.001nF = 1pF |
| 0.00001µF = 0.01nF = 10pF |
| 0.0001µF = 0.1nF = 100pF |
| 0.001µF = 1nF = 1000pF |
| 0.01µF = 10nF = 10000pF |
| 0.1µF = 100nF = 100000pF |
| 1µF = 1000nF = 1000000pF |
| 10µF = 10000nF = 10000000pF |
| 100µF = 100000nF = 100000000pF |

3mm CERAMIC SMD SPECIAL TRIMMER CAPACITOR a range of chip trimmer capacitors. Miniature and ultra-thin type surface mounting devices that are ideal for miniaturisation of electronic equipment. The capacity drift after adjustment is very low and, having a very thin dustproof, structure, these capacitors are most suited where fine adjustment is required. The plastic cases are manufactured from high temperature liquid-crystal polymer which has low dielectric loss and good mechanical strength. Designed for reflow soldering with very good Q and high resonant frequency. The cases are Colour-coded according to capacitance range for easy identification.

Technical Specification

| | |
|--|--|
| Operating temperature range: | -25 to +85°C |
| Insulation resistance: | 10000MΩ min. |
| Rotational torque: | 10 - 72g.m |
| Dimensions: | 4.5(L) x 3.2(W) x 1.5(H)mm |
| Order code | 03-0205 03-0206 03-0207 03-0208 03-0209 |
| Capacitance min. (pF) (+50% -0%)max. | 1.2 2.2 3 5.5 8 |
| Rated working voltage (V DC) | 3 6 10 20 30 |
| Dielectric withstanding voltage (V DC) | 100 100 50 50 50 |
| Temperature coefficient (ppm/°C) | 220 220 110 110 110 |
| Q (1MHz, Cmax) (min.) | N470 ±60 N470 ±60 N1000 ±250 N1000 ±250 N1200 ±200 |
| Case colour | 300 500 500 500 500 black blue ivory pink green |



| CODE | TYPE | PRICE |
|---------|---|-------|
| 03-0205 | 3mm SMD Trimmer Capacitor 1.2-3.0pF Black.... | £0.49 |
| 03-1206 | 3mm SMD Trimmer Capacitor 2.2-6.0pF Blue..... | £0.49 |
| 03-1208 | 3mm SMD Trimmer Capacitor 5.5-20.0pF Pink... | £0.49 |
| 03-0209 | 3mm SMD Trimmer Capacitor 8.0-30.0pF Green | £0.49 |

POLYSTYRENE CAPACITORS a range of axial polystyrene capacitors offering high performance combined with small physical size. Typical applications are tuned circuits, IF transformers and timing circuits.



Technical Specification

| | |
|--------------------------|----------------|
| Voltage: | 160V |
| Power factor: | 0.0005 |
| Insulation resistance: | >50,000MΩ |
| Temperature coefficient: | N150 ± 50ppm°C |
| Temperature range: | -40°C to +85°C |
| Dimensions (mm) | length dia. |
| 10pF - 220pF | 8 4 |
| 330pF - 470pF | 8 5 |
| 1000pF | 10 6 |
| 2200pF - 3300pF | 10 8 |
| 4700pF | 15 9.5 |
| 10000pF | 20 15 |

| CODE | TYPE | PRICE |
|---------|---|-------|
| 03-0500 | 10pF ±1pF Polystyrene Capacitor..... | £2.50 |
| 03-0506 | 22pF ±1pF Polystyrene Capacitor..... | £2.50 |
| 03-0508 | 33pF ±1pF Polystyrene Capacitor..... | £2.50 |
| 03-0516 | 100pF 5% Polystyrene Capacitor..... | £2.50 |
| 03-0522 | 220pF 5% Polystyrene Capacitor..... | £2.50 |
| 03-0524 | 330pF 2.5% Polystyrene Capacitor..... | £2.50 |
| 03-0526 | 470pF 2.5% Polystyrene Capacitor..... | £2.50 |
| 03-0530 | 1000pF 2.5% Polystyrene Capacitor..... | £2.50 |
| 03-0536 | 2200pF 2.5% Polystyrene Capacitor..... | £2.50 |
| 03-0540 | 3300pF 2.5% Polystyrene Capacitor..... | £2.50 |
| 03-0546 | 10000pF 2.5% Polystyrene Capacitor..... | £3.50 |