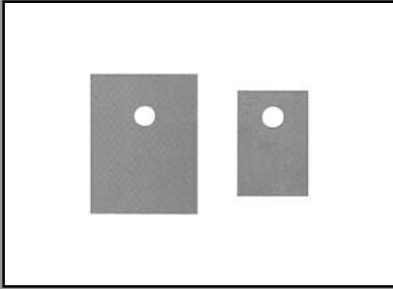


SEMICONDUCTOR HARDWARE

THERMAL PADS



HEAT SINKS



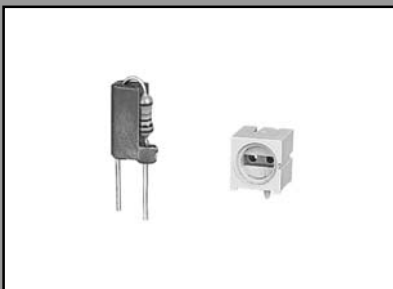
HEAT SINK COMPOUND



TRANSISTOR HOLDER



DIODE MOUNTS



CONDUCTIVE TWEEZERS	2270
CRYSTAL MOUNTING PAD	2264
HEAT SINK COMPOUND	2270
HEAT SINKS	2266 - 2268
HEAT TRANSFER PASTE	2270
IC INSERTION TOOLS	2270
LED & DIODE MOUNTS	2264
LOW PROFILE DIL SOCKETS	2269
MICA SEMI CONDUCTOR	
MOUNTING KITS	2264
PIN STRIP SOCKETS	2269
SEMI CONDUCTOR	
MOUNTING PADS	2264 - 2265
SPRING CLIPS	2265
TRANSISTOR COVER	2269
TRANSISTOR HOLDER	2269

COMPONENTS

SQUIRES MODEL & CRAFT TOOLS

LED AND DIODE MOUNTS

LED AND DIODE MOUNTS mounting blocks for wire-ended LED's and axial lead components, e.g. diodes, capacitors etc. The LED mounting block can accept 3 or 5mm diameter LED's and allows them to be mounted, raised from or at right angles to the PCB. Leads are kept separated to avoid short circuits and the LED body fits into a circular recess. The diode cradle can be used for diodes or other axial leaded components which have to be mounted vertically, due to space considerations or PCB modifications. With components fitted in this fashion, the risk of damage to PCB tracks caused by pressure on the component, is greatly reduced. Sold individually.



CODE	TYPE	PRICE
622-500	LED Mount.....	£0.25
622-505	Diode Cradle.....	£0.15

LED SPACER MOUNTS LED mounting spacers featuring an internally tapered barrier which guides the leads and eliminates the possibility of bending or shorting. The internal configuration also assures positive self-alignment on 0.1" centres. Sold individually.



CODE	TYPE	Length	PRICE
622-510	3mm LED Spacer	3.0mm.....	£0.20
622-515	3mm LED Spacer	9.1mm.....	£0.22
622-520	3mm LED Spacer	23.5mm.....	£0.22
622-525	5mm LED Spacer	3mm.....	£0.20
622-530	5mm LED Spacer	7.6mm.....	£0.22
622-535	5mm LED Spacer	12.7mm.....	£0.22
622-540	5mm LED Spacer	19mm.....	£0.22

3 LEAD LED SPACER/MOUNTS LED spacers mounts designed for a wide range of 3-lead LEDs providing the correct lead spacing. Available in 5mm and 25mm lengths and supplied in packs of 5.



CODE	TYPE	PRICE
26-0132	3 Lead LED Spacers 5mm Pack of 5.....	£1.35
26-0134	3 Lead LED Spacers 12.5mm Pack of 5.....	£1.79

CRYSTAL MOUNTING PAD

CRYSTAL MOUNTING PAD A plastic mounting pad for crystals with HC-49 style packages. The pads insulate the crystal case from tracks on the component side of a PCB and improve mechanical mounting stability. Because of the increased distance from the PCB, the pads also help to reduce the possibility of damage due to overheating during soldering. Sold individually.



CODE	TYPE	PRICE
718-257	Crystal Mounting Pad.....	£0.19
718-260	Crystal Insulating Washer.....	£0.12

MICA SEMICONDUCTOR MOUNTING KITS

MICA SEMICONDUCTOR MOUNTING KIT a mounting kit for T0220 (TIP31A, 7805 etc) semiconductors on to heat sinks, includes mica washer and insulating bush. Fixing screws not supplied. Sold individually.



CODE	TYPE	PRICE
718-010	Semiconductor Mounting Kit T0220.....	0.28

MICA SEMICONDUCTOR MOUNTING KIT a mounting kit for T0220 (TIP31A, 7805 etc) semiconductors on heat sinks, includes mica washer and insulating bushes. Fixing screws not supplied. Sold individually.



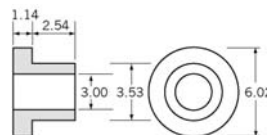
CODE	TYPE	PRICE
718-190	Semiconductor Mounting Kit T0220 Type 2.....	£0.25

MICA SEMICONDUCTOR MOUNTING KIT a mounting kit for TIP3055 semiconductors on to heat sinks, includes mica washer and insulating bush. Fixing screws not supplied. Sold individually.



CODE	TYPE	PRICE
718-015	Semiconductor Mounting Kit M13055.....	£0.21

INSULATING BUSHES Nylon insulating bushes for use with screw mounted transistors. Used in conjunction with mica or other insulating thermal pads to electrically isolate transistors from heatsinks. M3 clearance for screws. Sold individually.



CODE	TYPE	PRICE
718-192	Insulating bush T0220.....	£0.17

SEMICONDUCTOR MOUNTING PADS

SIL-PAD 400 ADHESIVE COATED THERMAL PADS an economic material designed to replace grease and mica for power applications. Ideal in reducing assembly time and maintaining cleanliness in production environments. Consists of a glass fibre sheet coated with a thermally conductive silicon elastomer. Adhesive coated one side to assist with assembly. Sold individually.



T0220

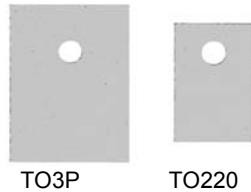
Technical Specification

Breakdown voltage	3500V AC	Thickness	0.177mm
Thermal conductivity	0.9W/m-K	Operating thickness	-60° to +180°C
Thermal resistance	0.40°C/W		
Type	Overall dimensions(mm)	Fixing hole dia.	
T0220/T0202	19.05 x 12.7	3.7	
T03P/T0218	25.4 x 19.1	3.6	

CODE	TYPE	PRICE
718-175	Sil-Pad 400 Adhesive Coat Therm Pad T0220.....	£0.34

SQUIRES ELECTRONIC COMPONENTS

SIL-PAD 900-S ADHESIVE COATED THERMAL PADS a high performance thermally conductive material with a thermally efficient adhesive for applications requiring high thermal conductivity. The pads can be applied to either the heatsink or the device and are then held in place for easy assembly. Available to suit various semiconductor profiles. Sold individually.



Technical Specification

Breakdown voltage	5.5kV AC		
Thermal conductivity	1.6W/m-K		
Thermal resistance	0.2°C/W		
Thickness	0.23 ± 0.025mm		
Type	Overall dimensions(mm)	Fixing hole dia.	Pin dia.
T0220/T0202	19.05 x 12.7	3.7	-
T03P	25.4 x 19.1	3.6	-

CODE	TYPE	PRICE
718-180	Sil-Pad 900-S Adh Coat Therm Pad T0220/202..	£0.45
718-184	Sil-Pad 900-S Adh Coat Therm Pad T03P.....	£0.50

SILICONE RUBBER MOUNTING KITS silicone rubber, insulated mounting kits for T03 and T0220 devices, consisting of a silicone rubber pad and insulating washers (two for T03 and one for T0220). The pads are constructed from thermally conductive silicone rubber compound coated on to a layer of woven glassfibre to provide a strong, flexible and clean insulator. Faster assembly times can be achieved over mica, as there is no need to use messy and time-consuming heatsink compounds. Flame retardant to UL94V-O.



Technical Specification

Breakdown voltage(50Hz)	3500V
Thermal resistance(T03)	Approx 0.45°/Watt
Thermal conductivity	0.79Wm-1K-1
Temperature range	-60 to +180°C

CODE	TYPE	PRICE
718-195	Silicone Rubber Mounting Kit T03.....	£0.50
26-0138	Silicone Rubber Mounting Kit T0220.....	£0.30

SIL-PAD 2000 HIGH THERMAL CONDUCTIVITY PADS A range of thermal transfer pads which offer vastly improved performance over normal thermal transfer materials. The SP2000 material is suitable for applications demanding extremely efficient heat transfer such as military, medical or aerospace, or for high reliability electronics where junction devices of integrated circuits are critical. Sold individually.



Technical specification

Breakdown voltage	4000V AC	Thickness	0.38mm
Thermal conductivity	3.5W/m-K		
Thermal resistance T03	0.20°C/W		
Type	Overall dimensions(mm)	Fixing hole dia	Pin dia
T0220/T0218	19.05x12.7	3.7	-
T03P	25.4x19.1	3.6	-

CODE	TYPE	PRICE
718-200	Sil-Pad 2000 High Thermal Cond Pad T0220.....	£1.20
718-202	Sil-Pad 2000 High Thermal Cond Pad T03P.....	£1.80

SIL-PAD K6 PUNCTURE RESISTANT THERMAL PADS Designed to resist puncture through due to burrs or high pressures when mounting semiconductor devices to heatsinks. Constructed from Kapton and a thermally conductive coating elastomer coating loaded with Aluminium oxide/Boron nitride applied to both sides. K6 couples high dielectric strength with a no grease, no mess method of assembly. Sold individually.



Technical specification

Breakdown voltage	6000V AC	Thickness	0.15mm
Thermal conductivity	1.1W/m-K	Operating temp	-60°to+180°C
Thermal resistance	0.30°C/W (T03)		
Type	Overall dimensions(mm)	Fixing hole dia	Pin dia
T03	41.9x21.0	3.6	2.36
T0220/T0202	19.05x12.7	3.7	-
T03P/T0218	25.4x19.1	3.6	-

CODE	TYPE	PRICE
718-217	Sil-Pad K6 Puncture Res Therm Pad T0220.....	£0.35
718-219	Sil-Pad K6 Puncture Res Therm Pad T03P.....	£0.45

FLEXIBLE HI-FLOW 625 THERMAL INTERFACE MATERIAL flexible Hi-flow is a 'phase change' material on an insulating substrate designed specifically to replace grease as a thermal interface. At 65°C flexible Hi-Flow changes from a solid and flows (phase change temperature) thereby assuring total wet-out of the interface. The thixotropic characteristics of the material prevent it from flowing out of the interface when mounted vertically. The result is a thermal interface without the mess and other problems associated with grease. Suitable for T0220 and T03P devices. Sold individually.

Technical Specification

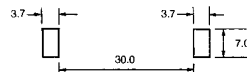
Breakdown voltage	4kV
Thermal conductivity	0.4W/m-K
Thermal resistance	0.25°C/W
Thickness of substrate	0.13mm
Phase change temp	65°C
Operating temperature	-30 to +150°C



CODE	TYPE	PRICE
718-264	Hi-Flow 625 Thermal Interface Material T0-220...	£0.70
718-225	Hi-Flow 625 Thermal Interface Material T03P.....	£0.75

SPRING CLIPS

SPRING MOUNTING CLIPS an easy and convenient method of mounting power devices, the clips apply an even pressure across the body of the device improving the thermal conductivity between the device and it's heatsink. Clips are available to suit T03P, T0218 and T0247 packages. The clips are finished zinc plated, clear passivated. Sold Individually.



CODE	TYPE	PRICE
718-055	Spring Clip T03P, T0218 or T0247.....	£0.25

MOUNTING CLIP TO-220 a single hole fixing mounting clip for TO-220 devices. Available for mounting either one or two devices. Sold individually.



CODE	TYPE	PRICE
26-0000	TO220 Mounting Clip Single.....	£0.90
26-0002	TO220 Mounting Clip Double.....	£0.90

SQUIRES MODEL & CRAFT TOOLS

HEAT SINKS

HEATSINK TO-5 a low cost push-on heat sink that is suitable for TO-5 package components. It has a thermal resistance of 45.2°C/W and has a black anodised finish.



CODE	TYPE	PRICE
26-0006	5F Heatsink TO-5 45.2C/W.....	£0.75

HEATSINK TO-92 a low cost, brass clip-on heatsink that is suitable for TO-92 package components. 36.1°C/W Thermal resistance. Note: Transistor shown in image is not supplied.



CODE	TYPE	PRICE
26-0258	Heatsink 92FG TO-92 36.1C/W.....	£0.55

VERTICAL TWISTED VANE HEATSINK SOT-32 a compact, twisted vane heatsink. Pre-drilled to accommodate a single SOT-32 package and is thermally resistant to 21.6°C/W. Dimensions 22 x 19 x 19mm.



CODE	TYPE	PRICE
26-0008	Vert Twisted Vane Heatsink SOT32 27.1C/W.....	£0.99

CLIP ON HEATSINK TO-220 a clip on heatsink to fit a single TO-220 package. It has a black pre-anodised finish with bare edge and it's thermal resistance is 23°C/W. Dimensions 20.3 x 6.8 x 25.4mm.



CODE	TYPE	PRICE
718-276	Clip-on Heatsink TO220 23°C.....	£0.65

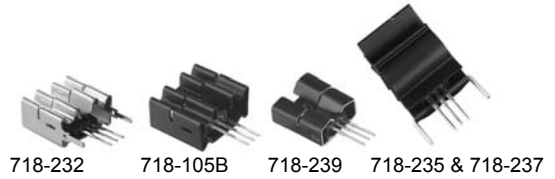
CLIP ON HEAT SINK a miniature clip on heatsink suitable for use with T0220 packages. Available with a solderable mounting lug to improve mechanical stability. Sold individually.

Type	Thermal Resistance	Dimensions
T0220 clip-on.	20°C/W	14 x 19 x 18mm
T0220 with Lug	20°C/W	14 x 19 x 18mm



CODE	TYPE	PRICE
718-100	Miniature Heatsink Clip-on T0220.....	£0.60
718-103	Miniature Heatsink Clip-on T0220 c/w Lug.....	£0.69

CLIP-ON HEATSINKS a range of clip-on heatsinks suitable for use with T0220, T0251, T0252, T0202 and T0126 packages. Several parts feature solderable tinned tabs for additional stability.



Technical Specification

Thermal resistance	Dimensions(w x h x d)	
Redpoint type		
20°C/W	22 x 19 x 11	PF750*
23°C/W	22 x 19 x 11	PF752
13°C/W	21 x 20 x 28	HF20*
11°C/W	36 x 20 x 28	HF35*
28°C/W	19.7 x 20 x 8.1	PF720

*solderable tinned tabs

CODE	TYPE	PRICE
718-232	Clip-on Heatsink 20°C/W.....	£1.59
718-105B	Clip-on Heatsink 23°C/W.....	£0.90
718-235	Clip-on Heatsink 13°C/W.....	£2.45
718-237	Clip-on Heatsink 11°C/W.....	£2.99
718-239	Clip-on Heatsink 28°C/W.....	£0.45

HIGH POWER DISSIPATION HEATSINK TO-220 a range of compact, high power dissipation, vertical mounting extruded heat sinks with solderable fixing pins. Designed to accommodate a single TO220 package either via a separate clip, or by a mounting hole. All the heat sinks have the same cross-section of 35 x 25.4mm with different heights for the relevant thermal resistance. Fixing lugs are on a standard 25.4mm pitch.



Technical Specification

Type	Thermal resistance	Height	Device mounting	Order code
BW38-2	7.3°C/W	38mm	Clip	36-0200
BW38-4	7.3°C/W	38mm	Hole	36-0202
BW50-2	5.9°C/W	50mm	Clip	36-0204
BW50-4	5.9°C/W	50mm	Hole	36-0206
6801	matching fixing clip			36-0308

CODE	TYPE	PRICE
26-0020	H/P Dissi Heatsink Hole Type TO220 7.3C/W.....	£2.99
26-0024	H/P Dissi Heatsink Hole Type TO220 5.9C/W.....	£3.55
26-0026	Retaining Clip for 26-0020/26-0026.....	£0.25

IF THERE ARE ANY ITEMS THAT WE HAVE FORGOTTEN WHILST ADDING OUR NEW RANGES

PLEASE FEEL FREE TO LET US KNOW

WHEN PLACING AN ORDER PLEASE USE THE FULL ORDER CODE INCLUDING ANY PUNCTUATION

SQUIRES ELECTRONIC COMPONENTS

COMPACT VERTICAL HEATSINK TO-220/T0-218/TO-247 a range of compact, vertical mounting extruded heat sinks with solderable fixing pins. Designed to accommodate a single TO220/TO218/TO2457 package either via a separate clip, or by mounting holes. All the heat sinks have the same cross-section of 34.5 x 12.5mm with different heights for the relevant thermal resistance. Fixing lugs are on a standard 25.4mm pitch.



Technical Specification

Type	Thermal resistance	Height	Device mounting	Order code
SW25-2	11.4°C/W	25mm	clip	36-0220
SW25-4	11.4°C/W	25mm	2 x holes	36-0222
SW38-4	10.2°C/W	38mm	3 x holes	36-0226
SW50-2	8.8°C/W	50mm	clip	36-0228
SW50-4	8.8°C/W	50mm	3 x holes	36-0190
5901	matching fixing clip			36-0446

CODE	TYPE	PRICE
26-0221	V/Mt Compact Heatsink Clip TO220 11.4C/W.....	£1.39
26-0222	V/Mt Compact Heatsink Holes TO220 11.4C/W....	£1.19
26-0226	V/Mt Compact Heatsink Holes SW38-4 10.2C/W.	£1.75
26-0228	V/Mt Compact Heatsink Clip TO220 8.8C/W.....	£1.79
26-0230	V/Mt Compact Heatsink Holes TO220 8.8C/W.....	£2.15
718-252	Clip for above.....	£0.27

TWISTED VANE HEAT SINK a high dissipation twisted vane heatsink with black anodised finish, pre-drilled for a variety of plastic packaged semiconductors. May be mounted vertically or horizontally. Sold Individually.

Type	Thermal Resistance
TO220 twisted vane	9.9°C/W
Dimensions	38 x 28 x 22mm



CODE	TYPE	PRICE
718-110	Twisted Vane Heatsink TO220.....	£1.37

TO220 TWISTED VANE HEATSINK twisted vane industry standard heatsinks predrilled to accommodate a single TO220 package. Three height variations are available.

Technical specification

Thermal resistance	Dims (w x d x h)
29.9°C/W	22 x 19 x 11
27.1°C/W	22 x 19 x 13
21.6°C/W	22 x 19 x 19



CODE	TYPE	PRICE
718-172	TO220 Twisted Vane Heatsink 29.9°C/W.....	£1.29
718-173	TO220 Twisted Vane Heatsink 27.1°C/W.....	£2.15
718-174	TO220 Twisted Vane Heatsink 21.6°C/W.....	£1.35

HEATSINK TO-220 a low cost heat sink pre-drilled to accommodate a single TO220 package. Black pre-anodised finish with bare edges. It's thermal resistance is 21.0°C.



CODE	TYPE	PRICE
26-0038	Heatsink TO-220 Drilled Type 21.0C/W.....	£0.55

VERTICAL MOUNTING HEAT SINK a black anodised pre-drilled heatsink complete with tinned solderable mounting lugs for vastly improved mechanical stability. Designed specifically for use in an upright position. Sold Individually.

Type	Thermal Resistance
TO220 Vert. Mounting	21°C
Dimensions	W31 x 22 x 5mm



CODE	TYPE	PRICE
718-115	Vertical Mounting Heatsink TO220.....	£0.79

TO220 HEATSINK WITH LUGS black anodised predrilled heatsink complete with tinned solderable mounting lugs for vastly improved mechanical stability and reduced assembly time. Sold individually.

Technical Specification

Type	Thermal resistance
TO220 with lug	19°C/W
Dimensions	25 x 30 x 12.7mm



CODE	TYPE	PRICE
718-240	TO220 Heatsink With Lug.....	£0.99

BOLT ON HEAT SINK a black anodised pre-drilled heatsink to accept a wide variety of TO220 packaged semiconductors, i.e. voltage regulators and power transistors. May be mounted in a vertical or a horizontal position. Sold Individually.

Technical Specification

Type	Thermal Resistance
TO220 Bolt On	21°C/W
Dimensions	9.5 x 19.1 x 19.1mm



CODE	TYPE	PRICE
718-120	Bolt on Mounting Heatsink TO220.....	£0.47

TO220 BOLT ON HEATSINK black anodised predrilled heatsink to accept a wide variety of TO220 packaged semiconductors i.e voltage regulators and power transistors. May be mounted vertically or horizontally. Sold individually.

Technical Specification

Type	Thermal resistance
TO220	17°C/W
Dimensions	19.8 x 17.8 x 21.6mm



CODE	TYPE	PRICE
718-242	TO220 Bolt on Heatsink.....	£0.63

TO220 HEATSINK a predrilled black anodised heatsink suitable for TO220 packages. Solderable PCB mounting tags improve mechanical stability. Sold individually.

Technical Specification

Type	Thermal resistance
TO220	10.5°C/W
Dimensions	42.5 x 25.4 x 25.4mm



CODE	TYPE	PRICE
718-244	TO220 Heatsink.....	£0.99

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

SQUIRES MODEL & CRAFT TOOLS

T0220/T0218 HEATSINK a predrilled black anodised heatsink suitable for use with T0220 or T0218 packages. Fitting by screw or clip mounting. The heatsink also includes solderable mounting tags which improve mechanical stability. Sold individually.

Technical Specification

Type Thermal resistance
T0220/T0218 7.8°C/W
Dimensions 51 x 41 x 18.5mm



CODE	TYPE	PRICE
718-245	T0220/T0218 Heatsink.....	£1.35
26-0040	Clip for Heatsink 718-245.....	£0.15

T0220 HEATSINKS WITH LUGS black anodised heatsinks suitable for T0220 and T0218 packages with solderable tabs (2.6mm dia.) on 25.4mm centres. Devices are clip mounted to the heatsink significantly reducing assembly time. Sold individually.

Technical Specification

Thermal resistance Dims(w x h x d) Redpoint type
13°C/W 34.5 x 25 x 12.5 SW25-2
10°C/W 34.5 x 38 x 12.5 SW38-2
8.6°C/W 34.5 x 50 x 12.5 SW50-2



CODE	TYPE	PRICE
718-247	Heatsink With Lug 13°C/W.....	£1.40
718-249	Heatsink With Lug 10°C/W.....	£1.50
718-250	Heatsink With Lug 8.6°C.....	£1.75
718-252	Clip for above.....	£0.27

HIGH POWER DISSIPATION HEATSINK these high power dissipation, extruded heat sinks have been designed to accommodate one or more TO220 packages, they can also be used with TO218 and TO3P types. The type KL100-1 has a threaded slot to accommodate a TO220 if preferred. The heat sinks are designed to minimise board space, with a threaded slot in the base to aid assembly. Suitable securing clips are available separately, please see below.



CODE	TYPE	PRICE
26-0042	High Power Heatsink TO220 KL100-1 3.4C/W....	£5.49
26-0044	High Power Heatsink TO220 KM100-1 3.3C/W...	£4.90
26-0046	High Power Heatsink TO220 KM75-1 3.7C/W.....	£4.49
26-0048	Clip for KL100-1.....	£0.24
26-0045	Clip for KM75-1.....	£0.22

HIGH POWER DISSIPATION HEATSINK TO-220 this extruded heat sink is pre-drilled to accommodate a single TO220 package. Suitable for vertical or horizontal mounting and with a central groove to prevent device rotation. Thermal resistance is 6.8°C/W (horizontal) and 8.8°C/W (vertical). Dimensions 60 x 32 x 16.



CODE	TYPE	PRICE
26-0056	High Power Dissipation Heatsink 6.8C/W.....	£4.99

VERTICAL MOUNT HEATSINK TO-220 a range of vertical mounting, extruded aluminium heat sinks with solderable fixing lugs. Designed to accommodate a single TO220 package. Type 6298B has cuts at the base of the heat sink.



Technical Specification

Type	Thermal resistance	Dimensions (W x D x H)	Order code
6396B	5.6°C/W	41.9 x 25.4 x 25.4mm	26-0056
6298B	3.9°C/W	41.9 x 25.4 x 38.1mm	26-0058

CODE	TYPE	PRICE
26-0056	V/Mount Compact Heatsink High Power 5.6C/W.	£4.99
26-0058	V/Mount Heatsink High Power 3.9C/W.....	£4.99

T0220 HEATSINK a predrilled black anodised heatsink for use with either one or two T0220 packages in a compact space saving design. Sold individually.

Technical Specification

Type Thermal resistance
T0220 12.5°C/W
Dimensions 37 x 21.6 x 19.8mm



CODE	TYPE	PRICE
718-254	Heatsink T0220 Twin.....	£0.89

HEAVY DUTY HEATSINK suitable for high power applications with integral tee-slots. Black anodised finish. Sold individually.

Technical Specification

Thermal resistance 1.1°C/W
Dimensions(wxhxd) Redpoint part
152 x 130 x 32 6W1



CODE	TYPE	PRICE
718-255	Heavy Duty Heatsink.....	£18.99

HEATSINK TO-3 a low cost, diamond shaped heat sink that is suitable for TO-3 package components. 7.4C/W Thermal resistance and a black anodised finish.



CODE	TYPE	PRICE
26-0060	Heatsink PF527 TO-3 7.4C/W.....	£13.99

T03 TWISTED VANE HEAT SINK a compact heatsink with black anodised finish, pre-drilled for T03 packaged semiconductors. May be mounted vertically or horizontally. Sold Individually.

Type Thermal Resistance
T03 twisted vane 7.1°C/W
Dimensions 42 x 38 x 25mm



CODE	TYPE	PRICE
718-170	Twisted Vane Heatsink T03.....	£1.69

SQUIRES ELECTRONIC COMPONENTS

TRANSISTOR HOLDER

TRANSISTOR HOLDERS Printed circuit mounting transistor sockets moulded in thermoplastic. Gold flashed contacts. Temperature range -50 to +150°C.



CODE	TYPE	PRICE
560-834	Transistor holder 3 pin TO18.....	£0.69
560-835	Transistor holder 3 pin TO5.....	£0.79

TRANSISTOR COVER

TO3 TRANSISTOR COVER a push fit protective cover for TO-3 devices.



CODE	TYPE	PRICE
26-0004	Transistor Cover TO3.....	£0.33

LOW PROFILE DIL SOCKETS

LOW PROFILE DIL IC SOCKETS a range of cost effective high quality low profile Dual In Line sockets with dual wipe contacts provide maximum contact retention at minimum cost. Moulded in black glass-filled polyester. Height above PCB 5.1mm. Sold individually.

Technical Specification

Insulator Material	Glass filled PBT Rated UL94V-0
Contact Material Inner	5191 Phosphor Bronze
Contact Plating	Tin
Contact Rating	1A max
Contact Resistance	200m Ohms max
Insulation Resistance	5 x10 ⁹ at 500V DC
Insertion Force	340g Max per Contact
Withdrawal Force	14g Min per Contact
Operating Temp	-55°C to 105°C



Dimensions

Type	Pitch	Lmm	Wmm	Type	Pitch	Lmm	Wmm
8 Pin	0.3"	10.02	10.02	24Pin	0.6"	0.48	17.74
				28Pin	0.3"	35.42	10.02
14 Pin	0.3"	17.62	10.02	28Pin	0.6"	35.42	17.74
16Pin	0.3"	20.18	10.02	32Pin	0.6"	38.10	17.74
18Pin	0.3"	22.72	10.02	40Pin	0.6"	48.26	17.74
20Pin	0.3"	25.26	10.02				
24Pin	0.3"	30.48	10.02				

CODE	TYPE	PRICE
561-100	Low Profile DIL IC Socket 8 Pin 0.3".....	£0.15
561-105	Low Profile DIL IC Socket 14 Pin 0.3".....	£0.20
561-110	Low Profile DIL IC Socket 16 Pin 0.3".....	£0.22
561-115	Low Profile DIL IC Socket 18 Pin 0.3".....	£0.25
561-120	Low Profile DIL IC Socket 20 Pin 0.3".....	£0.27
561-125	Low Profile DIL IC Socket 24 Pin 0.3".....	£0.29
561-130	Low Profile DIL IC Socket 24 Pin 0.6".....	£0.30
561-131	Low Profile DIL IC Socket 28 Pin 0.3".....	£0.35
561-135	Low Profile DIL IC Socket 28 Pin 0.6".....	£0.35
561-140	Low Profile DIL IC Socket 32 Pin 0.6".....	£0.39
561-145	Low Profile DIL IC Socket 40 Pin 0.6".....	£0.40

LOW PROFILE TURNED PIN D I L SOCKETS a range of high quality machined contact low profile Dual In Line sockets. Moulded in black glass-filled flame retardant polyester. Height above PCB 4.3mm. Sold individually.

Technical Specification

Insulator Material	Glass filled Polyester Rated UL94V-0
Contact Material Inner	4 Finger Gold Plated Beryllium Copper
	Outer Tin Plated Brass
Current Rating	1A
Contact Resistance	10m Ohms max
Insulation Resistance	1 x10 ⁹ min
Dielectric Strength	1000V
Operating Temperature	-55°C to 125°C



CODE	TYPE	PRICE
561-025	L. Profile Turned Pin DIL Skt 8 Pin 0.3" Pitch.....	£0.43
561-030	L. Profile Turned Pin DIL Skt 14 Pin 0.3" Pitch....	£0.75
561-035	L. Profile Turned Pin DIL Skt 16 Pin 0.3" Pitch....	£0.90
561-040	L. Profile Turned Pin DIL Skt 18 Pin 0.3" Pitch....	£0.99
561-050	L. Profile Turned Pin DIL Skt 24 Pin 0.3" Pitch....	£1.09
561-055	L. Profile Turned Pin DIL Skt 24 Pin 0.6" Pitch....	£1.11
561-985	L. Profile Turned Pin DIL Skt 28 Pin 0.3" Pitch....	£1.25
561-060	L. Profile Turned Pin DIL Skt 28 Pin 0.6" Pitch....	£1.29
561-065	L. Profile Turned Pin DIL Skt 32 Pin 0.6" Pitch....	£1.45
561-070	L. Profile Turned Pin DIL Skt 40 Pin 0.6" Pitch....	£1.80

SURFACE MOUNT IC SOCKETS A range of collect socket open frame style surface mount DIL sockets with high reliability machined contacts. Specially designed for reflow soldering including vapour phase.



Technical specification

Contact material	Beryllium copper
Contact plating	0.25µ gold over nickel
Insulator material	Glass filled polyester (UL94V-0)
Operating temperature	-55° to + 125°C
Manfrs part No's	0.3" pitch 114913xx41117
	0.6" pitch 114916xx41117
	Where xx is no. of ways

CODE	TYPE	PRICE
560-827	Surface Mount IC Socket 8 Pin 0.3".....	£0.79
560-828	Surface Mount IC Socket 14 Pin 0.3".....	£1.65
560-831	Surface Mount IC Socket 24 Pin 0.3".....	£2.80
560-832	Surface Mount IC Socket 24 Pin 0.6".....	£2.80
560-833	Surface Mount IC Socket 28 Pin 0.6".....	£2.99

PIN STRIP SOCKETS

TURNED PIN S I L SOCKETS Single In Line low profile sockets with high quality machined contacts. Moulded in black glass-filled flame retardant polyester. Temperature range -55°C to 180°C. Can be snapped off to the desired length for use as sockets for PCB interconnection or miniature plugs and sockets when used in conjunction with S I L Headers. Available in 20 or 32 way strips with pins at 0.1" centres.



CODE	TYPE	PRICE
561-010	PCB SIL Sockets 20 Way.....	£0.70
561-015	PCB SIL Sockets 32 Way.....	£0.95

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

SQUIRES MODEL & CRAFT TOOLS

IC INSERTION TOOLS

I.C. EXTRACTION TOOL a simple spring clip tool with an insulated handle used to ease the extraction of I.C.'s from I.C. sockets. Suitable for use with I.C.'s with up to 28 pins.



CODE	TYPE	PRICE
561-160	Insulated IC Extraction Tool.....	£1.89

I.C. EXTRACTION/INSERTION TOOL a high quality spring loaded tool for use with I.C.'s with pins of 0.3" pitch to enable easy insertion or extraction from I.C. sockets.



CODE	TYPE	PRICE
561-165	IC Extraction/Insertion Tool.....	£2.69

PLCC EXTRACTION TOOL a spring assisted chip carrier extraction tool that has been specifically designed for the safe and fast removal of PLCCs from sockets (through hole or SMT) without damage to component parts. Constructed from hardened steel.



CODE	TYPE	PRICE
26-0128	PLCC Extraction Tool.....	£6.99

IC STRAIGHTENER a double-sided IC straightener which will work with 8-pin to 48-pin ICs. With an anti-static ground terminal. Narrow side for 8/14/16/18/20 pin ICs and a wide side for 24/28/40/42/48 pin ICs. Ideal for the constant reuse of ICs.



CODE	TYPE	PRICE
26-0130	IC Straightener.....	£5.99

HEAT TRANSFER PASTE

HEAT TRANSFER PASTE a non melting, non hardening compound with high thermal conductivity for thermal coupling of components. Ideal for use with medium to high power semiconductors and heatsinks. The compound formulation is silicon free and is available in a choice of pack sizes.

Technical Specification

Thermal Conductivity 0.9W/mK
 Temperature Range -200°C to +130°C
 Dielectric Strength 42Kv/mm



CODE	TYPE	PRICE
718-020	Heat Transfer Paste Syringe 2ml.....	£3.50
718-025	Heat Transfer Paste Syringe 35ml.....	£9.99

HEATSINK COMPOUND

HEATSINK COMPOUND used to improve thermal conductivity between transistors and heatsinks etc. Supplied in a 25gm tube.



CODE	TYPE	PRICE
760-066	Servisol Heatsink Compound 25gm Tube.....	£4.65

HEATSINK COMPOUND used to improve thermal conductivity between transistors and heatsinks etc. Supplied in a 10ml and 35ml syringe.



CODE	TYPE	PRICE
760-060	Servisol Heatsink Compound 10ml Syringe.....	£4.99
760-274	Servisol Heatsink Compound 35ml Syringe.....	£13.99

CONDUCTIVE TWEEZERS

CURVED FINE TIP ANTI-STATIC TWEEZERS with 60° curved tips made from Electrostatic Discharge (ESD) safe material with low friction, self lubricating, excellent wear, abrasion resistance and good heat capability. Handles made from antimagnetic stainless steel. Ideal for handling sensitive components and devices. Length 128mm.



CODE	TYPE	PRICE
020-691	ESD Antistatic Tweezer Curved Fine Tip.....	£5.99

CONDUCTIVE TWEEZERS a set of 4 conductive tweezers, ideal for handling sensitive components. Shapes included : Fine Point for microscopic parts, 2 x Round headed for 4mm & 8mm monolithic chips caps, Sharp bent for handling small parts. Length 110mm and 115mm.



CODE	TYPE	PRICE
020-075	Conductive Tweezers Set of 4.....	£4.99

6 PIECE EPOXY COATED TWEEZERS a high quality set of tweezers manufactured from epoxy-coated stainless steel. Specially designed for electronic and semi conductor industries for safe handling of components. The set includes types 5, 3C, 7A, 00, 2A, SS0. Lengths range from 120mm - 135mm.



CODE	TYPE	PRICE
020-102	6 Piece Epoxy Coated Tweezer Set.....	£14.99