

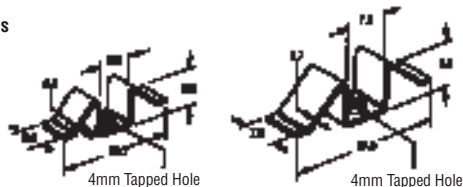
## Spring Mounting Clips



### Single Clips



### Double Clips



A convenient and reliable method of mounting plastic power devices, applying an even pressure across the body. Produces excellent heat transfer characteristics.

Available as single or double clips. The double clip requires one screw, and is suitable for any panel or pad thickness. Zinc plated, clear passivated finish. Isolation voltage 1kV.

Packages	Max. Panel Thickness (mm)	Max. Pad Thickness (mm)	Max. Force (kg)	Mftrs. List No.	Order Code
1 TO-220	2.0	0.2	3.0	TSC704	557-729
1 TO-3P, TO-218, TO-247	2.0	0.5	3.5	TSC903	557-730
2 TO-220	—	—	—	TSC607-ZP	520-111
2 TO-3P, TO-218, TO-247	—	—	—	TSC506-ZP	520-135

Order Multiple=10	Order Code	Price Each			
Package		10+	100+	250+	1K+
<b>Single Clips</b>					
TO-220	557-729				
TO-218 etc.	557-730				
<b>Double Clips</b>					
TO-220	520-111				
TO-218 etc.	520-135				

## Transistor Insulating Bushes



- For use with screw mounted transistors
- Isolates transistors from heatsinks
- Popular TO-220 and TO-247 sizes
- Nylon construction
- Suitable for use with Sil-Pad and other thermal pads
- Sold in packs of 10

FOR Sil-Pad TRANSISTOR PADS SEE PAGE 464

Pack Quantity=10	Order Code	Price Per Pack			
Size		1+	25+	100+	1K+
TO-220	936-649				
TO-3P	936-637				

## Thermal Interface Materials

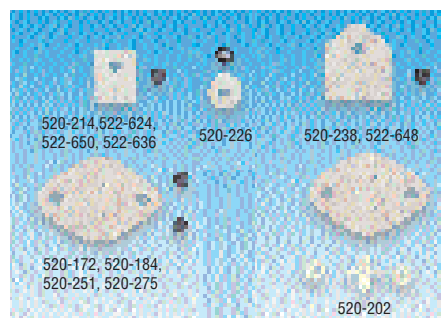
### Heatsink Compound



- Eliminates thermal 'hotspots'
- Silicon oil based
- Excellent thermal resistance, typically 0.05°C/W
- Volume resistivity 5 10<sup>14</sup>Ω/cm
- Operating temperature range -40°C to +200°C
- Excellent thermal stability
- Choice of container size

Mftrs. List No.	Order Code	Price Each			
		1+	5+	10+	25+
4gm tube 120-SA	335-4076				
60gm jar 120-2	335-4106				
140gm tube 120-5	335-4040				
230gm jar 120-8	335-4039				
2.27kg can 120-80	335-4064				

## Transistor Insulating Kits



### Notes:

520-202 is high voltage TO-3 kit giving 2kV isolation. Standard TO-3 kits give 1kV isolation. 520-172 and 520-251 TO-3 kits use 4.37mm high bushes, shank length 3.2mm. 520-184 kit uses 6.35mm high bushes, shank length 5.2mm.

The kits with silicone impregnated washer eliminate the need for heatsink compound.

◇ 520-238 and 522-648 are suitable for TO-218/TO-3P devices with rounded tab (eg, some bipolar transistors).

◆ 522-650 is suitable for TO-218/TO-3P devices with rectangular tab (eg, all TO-3P power MOSFET's).

Order Multiple=10	Order Code	Price Each			
Type		10+	250+	1K+	10K+
<b>Kits with Mica Washer</b>					
TO-3 (4.37mm bush)	520-172				
TO-3 (6.35mm bush)	520-184				
TO-3 (2kV)	520-202				
TO-220	520-214				
TO-126	520-226				
◇ SOT-93 (TO-3P, TO-218)	520-238				
<b>Kits with Silicone Impregnated Washer</b>					
TO-3	520-251				
TO-66	520-275				
TO-126	522-624				
TO-220	522-636				
◇ SOT-93 (TO-3P, TO-218)	522-648				
◆ TO-3P, TO-218	522-650				

## High Flow Phase Change Material Electrically Insulative



- Handles like a Sil-Pad at room temperature, flows like grease at +65°C (pressure dependent)
- Convenient alternative to grease and mica washer
- Thixotropic - retains its shape
- Ideal for use with spring/clip mounted devices
- Coated on both sides of an insulative substrate
- +2150°C operating temperature
- Thermal resistance 1.6 °C-cm<sup>2</sup>/W
- Breakdown voltage 4000V

Order Multiple=10	Order Code	Price Each		
Package		10+	100+	1000+
TO-220	168-932			
TO-3P	168-944			
<b>Order Multiple=1</b>		1+	20+	100+
100mm x 100mm sheet	168-828			

continued