

Thermal Interface Materials - continued

Transistor Insulating Kits - continued

Type	Order Code	Price Each			
		10+	250+	1K+	10K+
Kits with Silicone Impregnated Washer					
TO-3 (4.37mm bush)	520-251	17.00	14.00	13.00	--
TO-126	522-624	14.00	11.00	9.00	7.00
TO-220	522-636	10.00	8.00	6.00	6.00
◇ SOT-93 (TO-3P, TO-218)	522-648	21.00	17.00	12.00	9.00
◆ TO-3P, TO-218	522-650	23.00	18.00	15.00	11.00

Thermally Conductive Material



Sil-Pad 400®



- Suitable for clip mounted TO-220 packages (664-194), or screw mounted TO-220 and TO-3P packages
- Clean, grease-free and flexible
- 0.45°C/W thermal resistance
- Electrically isolating to 3.5kV (min)
- Silicon rubber/fibre-glass
- -60°C to +180°C operating temperature
- 0.18mm thickness

Mfrs. List No. 3223-07FR-43 =664-194 SP400-0.007-00-54 =878-3608
3223-07FR-104NH=664-224 SP400-0.007-00-1212=878-3616

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Package	Order Code	Price Each		
		10+	500+	1K+
TO-220	664-194	9.00	8.00	7.00
TO-3P (pre-cut hole)	664-224	14.00	11.00	11.00
Order Multiple=1		1+	5+	10+
300mm x 300mm sheet	NEW 878-3616	1,875.00	1,494.00	1,222.00
		Price Per Pack		
Package	Order Code	1+	5+	25+
TO-220 (pre-cut hole)	NEW 878-3608	236.00	184.00	158.00

Transistor Insulating Bushes

Pack Quantity=10		Price Per Pack			
Size	Order Code	1+	25+	100+	1K+
TO-220	936-649	77.00	55.00	43.00	33.00
TO-3	936-637	77.00	55.00	43.00	33.00

Sil-Pad SP900S



- Thermal impedance: 0.61°C-in²/W (@5-psi)
- Low mounting pressure
- Suitable for clip mounted TO-220 packages (878-3551) or screw mounted TO-220 and TO-3P power packages
- Smooth and highly compliant surface
- Electrically isolating



Thermal Conductivity W/m-K	Dielectric Breakdown Voltage kV-ac	Dielectric Constant	Dielectric Constant	Volume Resistivity Ω-m
1.6	5.5	6	0.2mm	10 ¹⁰

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Pack Quantity = 10		Price Per Pack		
Package	Order Code	1+	10+	25+
TO-220	878-3551	264.00	210.00	172.00
TO-220 (pre-cut hole)	878-3560	264.00	210.00	172.00
TO-3P	878-3578	308.00	248.00	202.00
		Price Each		
		1+	5+	10+
100mm x 100mm sheet	878-3586	651.00	520.00	425.00

Transistor Insulating Bushes

Pack Quantity = 10		Price Per Pack			
Size	Order Code	1+	25+	100+	1K+
TO-220	936-649	77.00	55.00	43.00	33.00
TO-3	936-637	77.00	55.00	43.00	33.00

Medium Grade Thermally Conductive Material



Sil-Pad K6®



- Thermal impedance:0.49°C-in²/W (@50 psi)
- Tough dielectric barrier against cut-through
- Electrically isolating to 6kV (min).
- Medium performance Kapton®-based film
- 0.15mm thickness

Sil-Pad K-6 is a medium performance film-based thermally conductive insulator. The film is coated with a silicone elastomer to deliver high performance and provides a continuous, physically tough, dielectric barrier against 'cut-through' and resultant assembly failures.

Mfrs. List No.K6-54 =664-250
K6-104 =681-090
SIL-PAD K6 300MMX300MM SHEET=681-106

222195

Package	Order Code	Price Each		
		10+	100+	+
TO-220	664-250	17.00	15.00	--
TO-3P	681-090	23.00	18.00	--
		1+	5+	10+
300mm x 300mm sheet	681-106	4,086.00	3,642.00	3,338.00

Transistor Insulating Bushes

		Price Per Pack			
Size	Order Code	1+	25+	100+	1K+
TO-220	936-649	77.00	55.00	43.00	33.00
TO-3	936-637	77.00	55.00	43.00	33.00

High Grade Thermally Conductive Material



Sil-Pad® K-10



- Thermal impedance 0.41°C-in²/W (@50 psi)
- 0.2°C/W thermal resistance
- Tough dielectric barrier against cut-through
- Electrically isolating to 6kV (min)
- High performance film
- Designed to replace ceramic insulators

Sil-Pad K-10 is a high performance insulator. It combines special film with a filled silicone rubber. The result is a product with good cut-through properties and excellent thermal performance. Sil-Pad K-10 is designed to replace ceramic insulators such as Beryllium Oxide, Boron Nitride, and Alumina. These insulators are expensive and they break easily. Sil-Pad K-10 eliminates breakage and costs much less than ceramics.

Mfrs. List No. K10-54 =936-741 K10-104 =936-753 K10SHEET =936-765

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Package	Order Code	Price Each		
		5+	100+	1K+
TO-220	936-741	44.00	28.00	26.00
TO-3P	936-753	68.00	51.00	--
		1+	5+	10+
300mm x 300mm sheet	936-765	8,802.00	7,310.00	6,884.00

Transistor Insulating Bushes

Pack Quantity = 10		Price Per Pack			
Size	Order Code	1+	25+	100+	1K+
TO-220	936-649	77.00	55.00	43.00	33.00
TO-3	936-637	77.00	55.00	43.00	33.00

Sil-Pad A1500



- Thermal impedance: 0.42°C-in²/W (@50 psi)
- Solvent-free process
- Elastomeric compound coated on both sides



Bergquist Sil-Pad A1500 is a silicone-based thermally conductive and electrically insulating material. It consists of a cured silicone elastomeric compound coated on both sides of a fiberglass reinforcement layer.

Thermal Conductivity W/m-K	Dielectric Breakdown Voltage kV-ac	Dielectric Constant	Dielectric Constant	Volume Resistivity Ω-m
2	6000	7	0.2mm	10 ¹¹

387150

		Price Each		
	Order Code	1+	5+	10+
100mm x 100mm sheet	878-3667	1,643.00	1,309.00	1,070.00