

THERMAL LINKS

GENERAL DESCRIPTION

CTS' thermal links provide an effective retainer and efficient thermal path between semiconductor and heat sinks or chassis. CTS' unique design gives

superior retention and thermal conductivity due to their 6 to 8-segment fingers versus the 2 or 3-segment fingers available from other manufacturers.

THERMAL LINKS FOR TO-5, TO-8 AND TO-18 TRANSISTORS

Thermal Link Retainers Without BeO Insulators

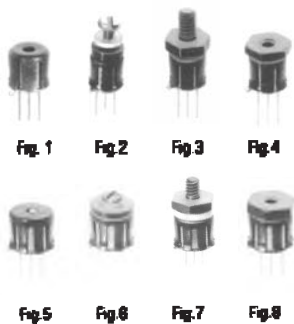
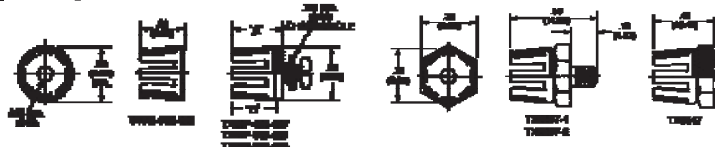


Fig. #	Semiconductor Case Type	Part Number		Mounting Method
		Black Cadmium Finish	Dull Nickel Finish	
1	TO-18	TXBE-019-021B	TXBE-019-021ND	Rivet/Solder
2	TO-18	TXB2P-019-028B	TXB2P-019-028ND	2-56 Screw
3	TO-18	TX1807B	TX1807ND	4-40 Stud
3	TO-18	TX1807-1B	TX1807-1ND	6-32 Stud
4	TO-18	TX1847B	TX1847ND	2-56 Hex Nut
5	TO-5	TXBE-032-031B	TXBE-032-031ND	Rivet/Solder
6	TO-5	TXB2P-032-037B	TXB2P-032-037ND	4-40 Screw
7	TO-5	TX0507-1B	TX0507-1ND	6-32 Stud
7	TO-5	TX0507-2B	TX0507-2ND	10-32 Stud
8	TO-5	TX0547B	TX0547ND	14-40 Hex Nut



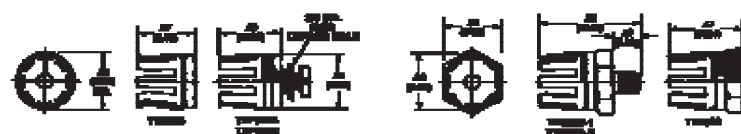
Dimensions are for reference use only. Contact CTS for dimensions with tolerances or standard part drawings.

Thermal Link Retainers With BeO Insulators



Fig. #	Semiconductor Case Type	Part Number		Mounting Method
		Black Cadmium Finish	Dull Nickel Finish	
1	TO-18	TXP1803B	TXP1803ND	2-56 Screw
1	TO-18**	TXP1808B	TXP1808ND	2-56 Screw
2	TO-18	TX1806B	TX1806ND	4-40 Stud
2	TO-18	TX1806-1B	TX1806-1ND	6-32 Stud
3	TO-18	TX1822B	TX1822ND	2-56 Hex Nut
4	TO-18	—	TX1805-ND	Solder
5	TO-5	TXP0503B	TXP0503ND	4-40 Screw
5	TO-5**	TXP0508B	TXP0508ND	4-40 Screw
6	TO-5	TX0506-1B	TX0506-1ND	6-32 Stud
6	TO-5	TX0506-2B	TX0506-2ND	10-32 Stud
7	TO-5	TX0522B	TX0522ND	4-40 Hex Nut
8	TO-5	—	TX0505-ND	Solder

**BeO and thermal link are brazed together.



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THERMAL LINKS FOR TO-8s

Thermal Link Retainers Without BeO Insulators

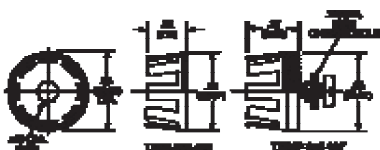


TXBE-050-028X

TXB2P-050-037X

Part Number		Mounting Method	Max. Weight (Grams)	Case Diameter
Black Cadmium Finish	Dull Nickel Finish			
TXBE-045-028B	TXBE-045-028ND	Solder, Epoxy, Rivet	1.5	0.455
TXB2P-045-037B	TXB2P-045-037ND	4-40 Screw	4.5	0.455
TXBE-050-028B	TXBE-050-028ND	Solder, Epoxy, Rivet	1.5	0.500
TXB2P-050-037B	TXB2P-050-037ND	4-40 Screw	4.5	0.500
TXBE-055-028B	TXBE-055-028ND	Solder, Epoxy, Rivet	1.5	0.550
TXB2P-055-037B	TXB2P-055-037ND	4-40 Screw	4.5	0.550

Screw and shouldered nylon washer for .060 chassis included; If mounting hardware not desired, deleted "P" from part number.



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