



Thermal link heat dissipators

- Provides an effective retainer and efficient thermal path between semiconductor and heat sinks or chassis.
- Multiple fingers permit a smooth press-fit installation without harmful "snap" action.
- Excellent transistor retention — will retain transistors in environment of 100

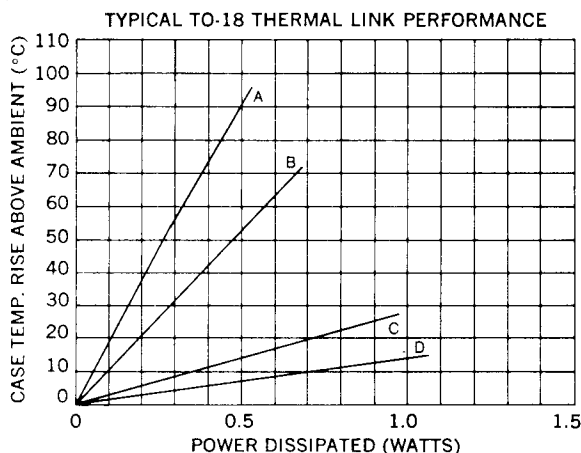
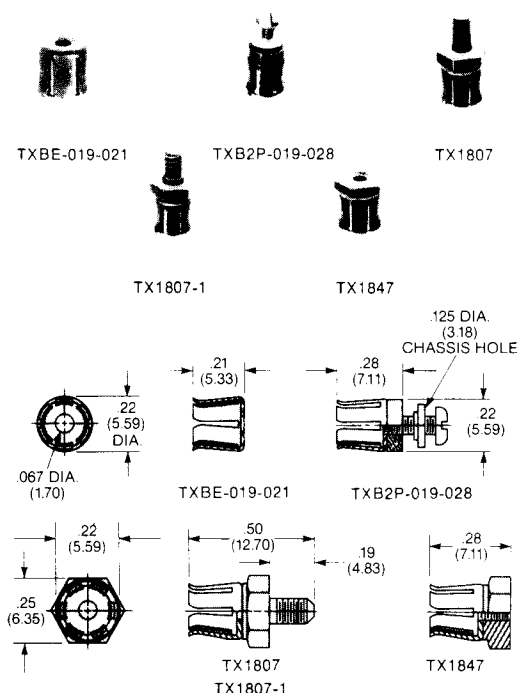
to 2000 cps at 20g per MIL-STD-750, method 2056, withstanding shock per MIL-STD-750, method 2016 up to 1500g.

- Can be inserted and removed multiple times without loss of retention or damage to the finish over the entire JEDEC case diameter range.

- Thermal links can be installed with a rivet or eyelet, soldered to a printed circuit pad or heat sink, mounted with a single screw, or with a threaded stud and hex nut.

- BeCu retainer, brass fittings.

Thermal Links for TO-18s



DESCRIPTION OF CURVES

- A. N.C. Horiz. Device Only Mounted to G-10.
- B. N.C. Horiz. w/Diss. on Epoxy Board.
- C. N.C. Horiz. w/Diss. on Alum. Board.
- D. N.C. Horiz. w/Diss. on Const. Temp. Sink.

- Thermal Joint Compound used at all interfaces.
- Derate 9.2 °C/watt for Insulube® part.

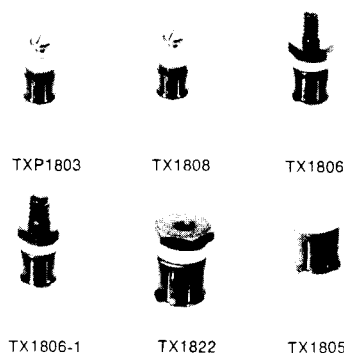
Ordering Information

IERC PART NO.			Mounting Method	Max. Weight (Grams)
Black Cadmium	Insulube 448®	Nickel		
TXBE-019-021B	TXBE-019-021	TXBE-019-021ND	Solder, epoxy, rivet	.5
TXB2P-019-028B	TXB2P-019-028	TXB2P-019-028ND	2-56 screw*	1.0
TX1807B	TX1807	TX1807ND	4-40 stud	1.2
TX1807-1B	TX1807-1	TX1807-1ND	6-32 stud	1.3
TX1847B	TX1847	TX1847ND	2-56 x 1/4 nut	.8

*Screw and shouldered nylon washer for .060 chassis included. If mounting hardware not desired delete "P" from part number. Note: See page iv for other finishes.

Thermal Links with BeO Washer for TO-18s

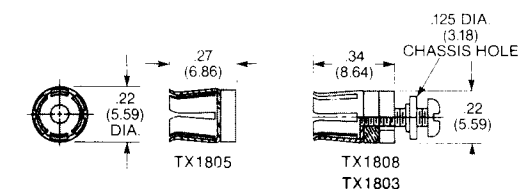
Provides 1000 VDC electrical isolation. Reduces transistor-chassis capacitance to 1.4-2.5 pf.



Ordering Information

IERC PART NO.		Mounting Method	Max. Weight (Grams)
Nickel	Black Cadmium		
TXP1803ND	TXP1803B*	2-56 screw***	1.0
TXP1808ND	TXP1808B**	2-56 screw***	1.0
TX1806ND	TX1806B	4-40 stud	1.3
TX1806-1ND	TX1806-1B	6-32 stud	1.4
TX1822ND	TX1822B	2-56 x 1/4 nut	1.0
TX1805ND	N/A	Solder or epoxy	.8

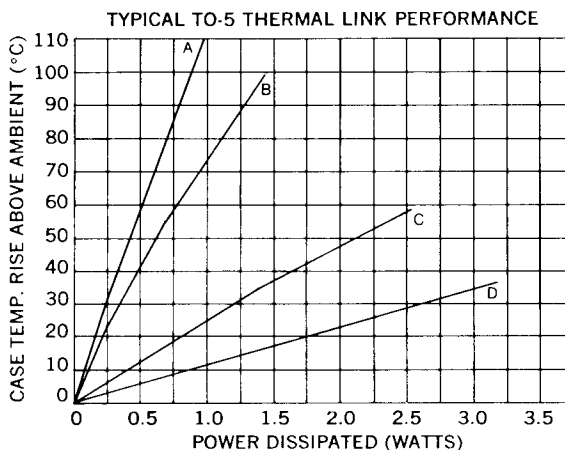
*BeO washer separate.
 **BeO washer brazed on.
 ***Screw and shouldered nylon washer for .060 chassis included. If mounting hardware not desired delete "P" from part number.
 Note: See page iv for other finishes.



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

HEAT DISSIPATORS FOR METAL CASE, LEAD-MOUNTED SEMICONDUCTORS

Thermal Links for TO-5s



DESCRIPTION OF CURVES

- A. N.C. Horiz. Device Only Mounted to G-10.
- B. N.C. Horiz. w/Diss. on Epoxy Board.
- C. N.C. Horiz. w/Diss. on Alum. Board.
- D. N.C. Horiz. w/Diss. on Const. Temp. Sink.

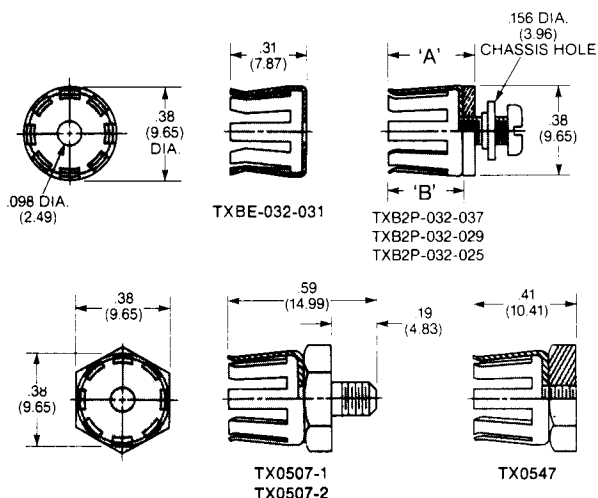
- Thermal Joint Compound used at all interfaces.
- Derate 10.7 °C/watt for Insulube® part.

Ordering Information

IERC PART NO.			Mounting Method	Max. Weight (Grams)	'A' DIM	'B' DIM
Black Cadmium	Insulube 448®	Nickel				
TXBE-032-031B	TXBE-032-031	TXBE-032-031ND	Solder, glue, rivet	1.0	—	—
TXB2P-032-037B	TXB2P-032-037	TXB2P-032-037ND	4-40 screw*	2.4	.37	25
TXB2P-032-029B	TXB2P-032-029	TXB2P-032-029ND	4-40 screw*	2.0	.28	22
TXB2P-032-025B	TXB2P-032-025	TXB2P-032-025ND	4-40 screw*	1.8	.25	.17
TX0507-1B	TX0507-1	TX0507-1ND	6-32 stud	3.0	—	—
TX0507-2B	TX0507-2	TX0507-2ND	10-32 stud	3.3	—	—
TX0547B	TX0547	TX0547ND	4-40 x 3/8 nut	2.8	—	—

*Screw and shouldered nylon washer for .060 chassis included. If mounting hardware not desired delete "P" from part number.
Note: See page iv for other finishes.

CALL FOR SPECIAL CONFIGURATIONS



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Thermal Links with BeO Washer for TO-5s

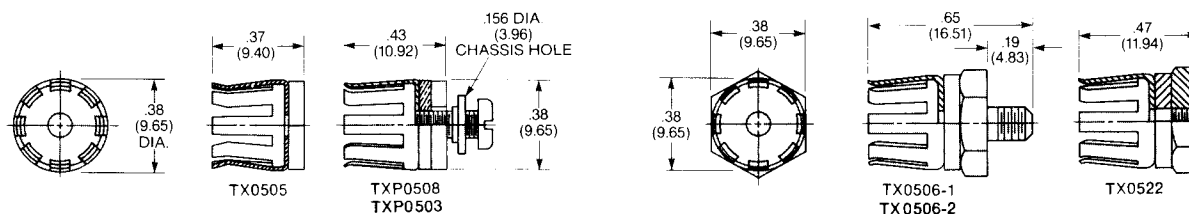
Provides 1000 VDC electrical isolation. Reduces transistor-chassis capacitance to 4.2-5.5 pf.



Ordering Information

IERC PART NO.		Mounting Method	Max. Weight (Grams)
Nickel	Black Cadmium		
TXP0503ND	TXP0503B*	4-40 screw***	2.5
TXP0508ND	TXP0508B**	4-40 screw***	2.5
TX0506-1ND	TX0506-1B	6-32 stud	3.2
TX0506-2ND	TX0506-2B	10-32 stud	3.5
TX0522ND	TX0522B	4-40 x 3/8 nut	3.0
TX0505ND	N/A	Solder or epoxy	1.5

*BeO washer separate.
**BeO washer brazed on.
***Screw and shouldered nylon washer for .060 chassis included. If mounting hardware not desired delete "P" from part number.
Note: See page iv for other finishes.



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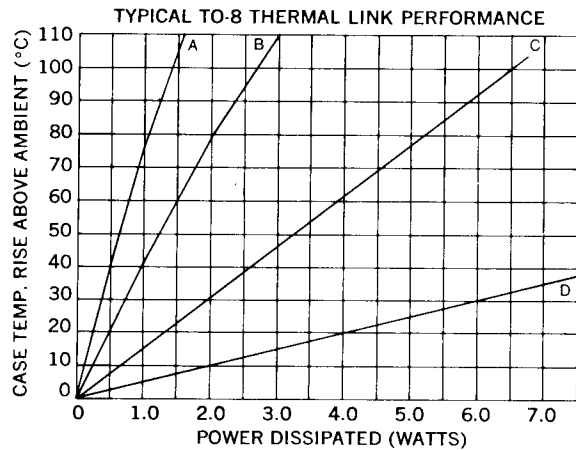
Thermal Links for TO-8s



TXBE-050-028



TXB2P-050-037



DESCRIPTION OF CURVES

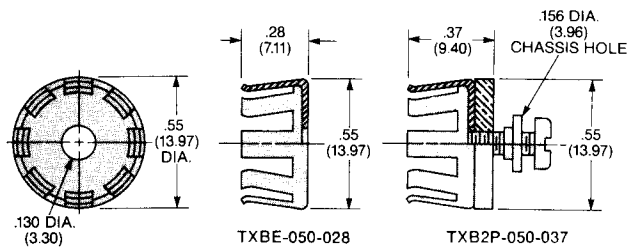
- A. N.C. Horiz. Device Only Mounted to G-10.
- B. N.C. Horiz. w/Diss. on Epoxy Board.
- C. N.C. Horiz. w/Diss. on Alum. Board.
- D. N.C. Horiz. w/Diss. on Const. Temp. Sink.

- Thermal Joint Compound used at all interfaces.
- Derate 10.0 °C/watt for Insulube® part.

Ordering Information

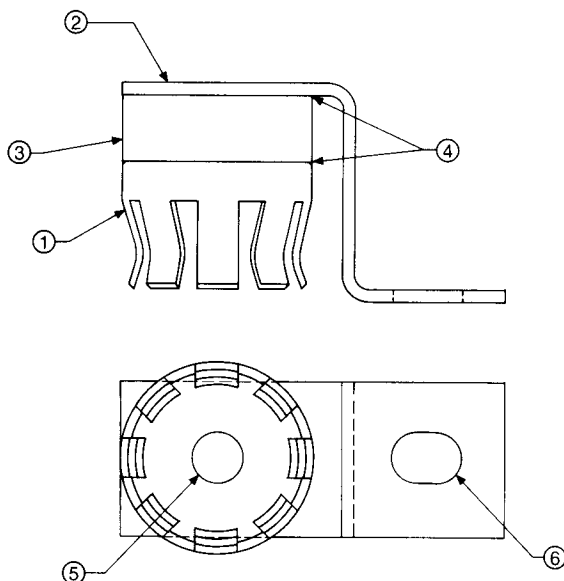
IERC Part Number			Mounting Method	Max Weight (Grams)	Case Dia.
Black Cadmium	Insulube 448	Nickel			
TXBE-045-028B	TXBE-045-028	TXBE-045-028ND	Solder, Epoxy, Rivet	1.5	0.455
TXB2P-045-037B	TXB2P-045-037	TXB2P-045-037ND	4-40 Screw	4.5	0.455
TXBE-050-028B	TXBE-050-028	TXBE-050-028 ND	Solder, Epoxy, Rivet	1.5	0.500
TXB2P-050-037B	TXB2P-050-037	TXB2P-050-037ND	4-40 Screw	4.5	0.500
TXBE-055-028B	TXBE-055-028	TXBE-055-028 ND	Solder, Epoxy, Rivet	1.5	0.550
TXB2P-055-037B	TXB2P-055-037	TXB2P-055-037ND	4-40 Screw	4.5	0.550

*Screw and shouldered nylon washer for .060 chassis included. If mounting hardware not desired delete "P" from part number. Note: See page iv for other finishes.



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SPECIALS (CALL FOR ASSISTANCE)



- ① Select appropriate thermal link.
- ② Select bracket material and thickness and width.
- ③ Spacers can be BeO, Aluminum Nitride, Brass or Combinations.
- ④ Select braze or bonded assembly method.
- ⑤ Optional hole pattern—can be threaded or thru hole or blank.
- ⑥ Mounting hole pattern.