

Free-standing heat dissipator and clip assembly

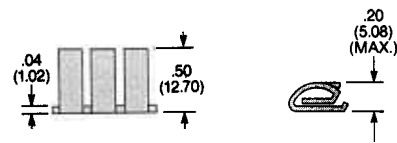
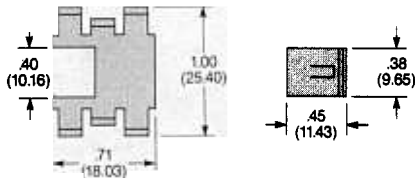
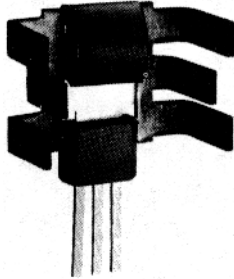
- Beryllium copper clip is designed to provide high clamping pressure, which assures low thermal resistance between dissipator and semiconductor, allowing a 150% power increase in natural convection to more than 400% in forced air.

- Clip may be used alone to attach semiconductor to a customer designed heat conduction plane.
- Free-standing assembly can be mounted either vertically or horizontally on board

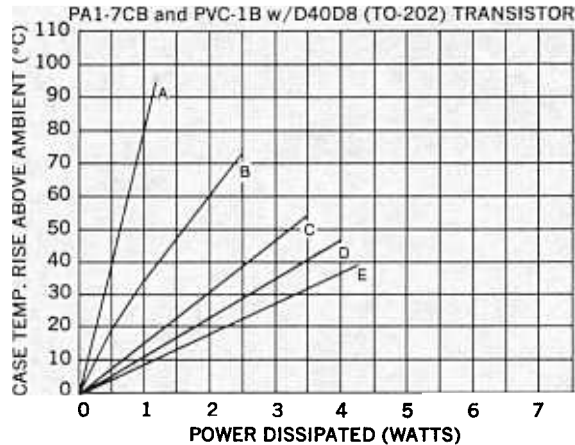
— requires no special tools or mounting hardware.

- Clip's spring design firmly attaches to device and dissipator, stays attached even in severe shock and vibration environments.

PA1-7



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



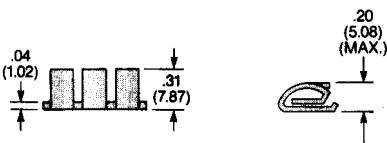
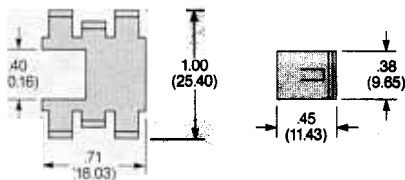
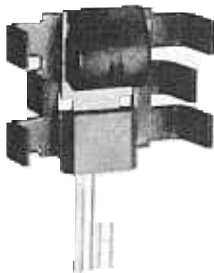
DESCRIPTION OF CURVES
 A. N.C. Horiz. Device Only Freestanding.
 B. N.C. Horiz. & Vert. With Dissipator.
 C. 200 FPM w/Diss.
 D. 500 FPM w/Diss.
 E. 1000 FPM w/Diss.

- Thermal Resistance Case to Sink is 1.1-1.3 °C/W w/Joint Compound.
- Derate 2.4 °C/watt for unplated part in natural convection only.

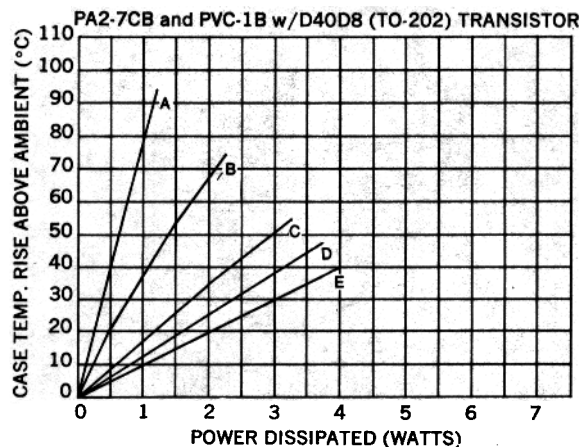
Ordering Information

ITEM	IERC PART NO.				Semiconductor Accommodated	Max. Weight (Grams)
	Unplated	Black Cadmium	Comm'l. Black Anodize	Mil. Black Anodize		
Dissipator	PA1-7U	N/A	PA1-7CB	PA1-7B	TO-202	2.0
Clip	PVC-1U	PVC-1B	N/A	N/A	TO-202	0.7

PA2-7



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DESCRIPTION OF CURVES
 A. N.C. Horiz. Device Only Freestanding.
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 C. 200 FPM w/Diss.
 D. 500 FPM w/Diss.
 E. 1000 FPM w/Diss.

- Thermal Resistance Case to Sink is 1.1-1.3 °C/W w/Joint Compound.
- Derate 2.4 °C/watt for unplated part in natural convection only.

Ordering Information

ITEM	IERC PART NO.				Semiconductor Accommodated	Max. Weight (Grams)
	Unplated	Black Cadmium	Comm'l. Black Anodize	Mil. Black Anodize		
Dissipator	PA2-7U	N/A	PA2-7CB	PA2-7B	TO-202	1.5
Clip	PVC-1U	PVC-1B	N/A	N/A	TO-202	0.7