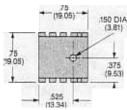
## HEAT DISSIPATORS FOR PLASTIC CASE, CASE-MOUNTED SEMICONDUCTORS

### Horizontally mounted, light-weight, low-cost heat dissipators

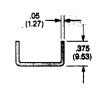
- Accommodates all flat plastic case power semiconductors.
- Efficient design requires just .71 sq. in. of board area (PA Series) and .31" to .5" height above board.
- Larger PB Series offers greater heat dissipation, additional hole patterns, and dual semiconductor mounting capability.
- Only one mounting screw required to secure dissipators to semiconductor and
- circuit board.
- Most effective heat dissipator in performance/unit cost.

# PC1-1CB

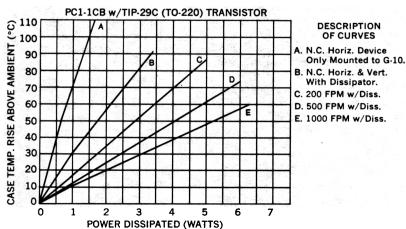








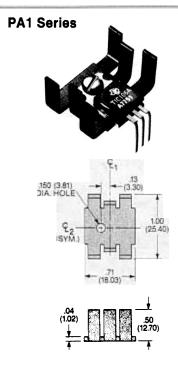
Dimensions are for reference use only. Contact IERC for dimensions with tolerances or standard part drawings.



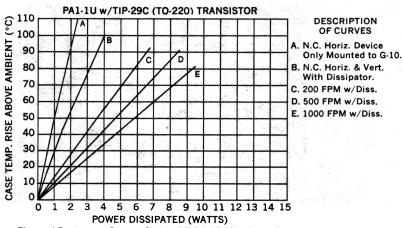
- Thermal Resistance Case to Sink is 0.9-1.1 °C/W w/Joint Compound.
- Derate 2.4 °C/watt for unplated part in natural convection only.

### Ordering Information

|          | IERC PART NO.            | <b>0</b>              | Max.                          |                   |
|----------|--------------------------|-----------------------|-------------------------------|-------------------|
| Unplated | Comm'l. Black<br>Anodize | Mil. Black<br>Anodize | Semiconductor<br>Accommodated | Weight<br>(Grams) |
| PC1-1U   | PC1-1CB                  | PC1-1B                | T0-126,<br>T0-127,<br>T0-220  | 1.9               |



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



- Thermal Resistance Case to Sink is 0.9-1.1 °C/W w/Joint Compound.
- Uprate 2.4 °C/watt for black part in natural convection only.

  Derate 0.6 °C/watt for Insulube® part in natural convection only.

### **Ordering Information**

|                | IERC PA                 |                       | Max.             |  |                   |
|----------------|-------------------------|-----------------------|------------------|--|-------------------|
| Unplated       | Com'l. Black<br>Anodize | Mil. Black<br>Anodize | Insulube®<br>448 | Semiconductor<br>Accommodated          | Weight<br>(Grams) |
| PA1U<br>PA1-1U | PA1CB<br>PA1-1CB        | PA1B<br>PA1-1B        | PA1<br>PA1-1     | Undrilled<br>TO-126, TO-127,<br>TO-220 | 2.0<br>2.0        |

Note: See page iv for other finishes.