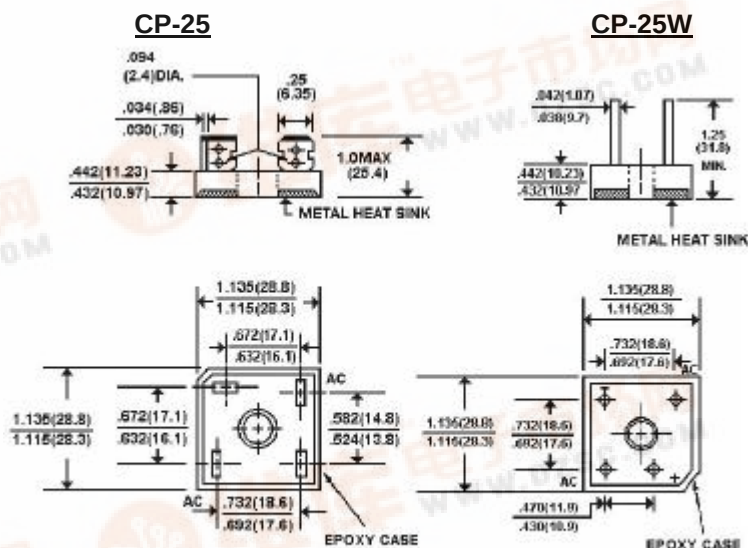


VOLTAGE - 50 to 800 Volts CURRENT - 15 to 35 Amperes

- Plastic Case With Heatsink For Heat Dissipation
- Surge Overload Ratings to 400 Amperes
- The plastic package has Underwriters Laboratory Flammability Classification 94V-O

Mounting position: Any



Dimensions in inches and (millimeters)

All Ratings are for TC=25 ¢/J unless otherwise specified.

		-00	-01	-02	-04	-06	-08	UNITS
Max Recurrent Peak Reverse Voltage		50	100	200	400	600	800	V
Max RMS Input Voltage		35	70	140	280	420	560	V
Max DC Blocking Voltage		50	100	200	400	600	800	V
DC Output Voltage, Resistive Load		30	62	124	250	380	505	V
DC Output Voltage, Capacitive Load		50	100	200	400	600	800	V
Max Average Forward Current for Resistive Load at TC=55 °C	CP15	15						A
	CP25	25						A
	CP35	35						A
Non-repetitive Peak Forward Surge Current at Rated Load	CP15	300						A
	CP25	300						A
	CP35	400						A
Max Forward Voltage per Bridge Element at Specified Current	CP15 I _F 7.5A	1.2						V
	CP25 12.5A							
	CP35 17.5A							
Max Reverse Leakage Current @ TA=25 °C at Rated DC Blocking Voltage @ TA=100 °C		10 1000						µg A
I ² t Rating for fusing (t < 8.3ms)	CP15,CP25 / CP35	374 / 664						A ² s
Typical Thermal Resistance (Fig. 3) R θJC		2.0						°C/W
Operating Temperature Range T _J		-55 to +150						°C
Storage Temperature Range T _A								

RATING AND CHARACTERISTIC CURVES

CP1500 THRU CP3500

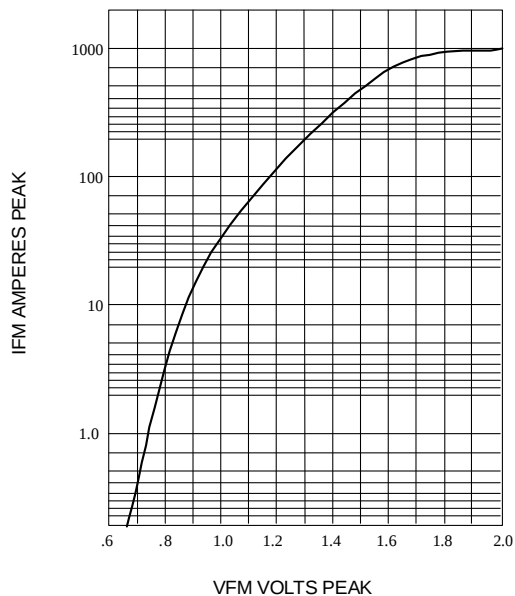


Fig. 1-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS AT $T_j = 25\text{ }^{\circ}\text{C}$

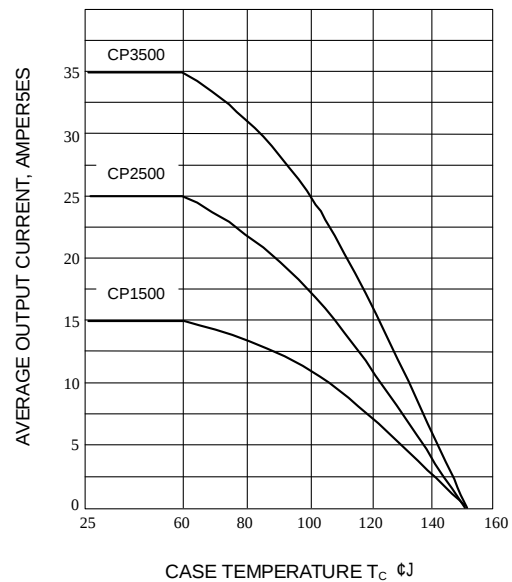


Fig. 2-OUTPUT CURRENT VS. CASE TEMPERATURE RESISTIVE OR INDUCTIVE LOAD $T_j = 175\text{ }^{\circ}\text{C}$

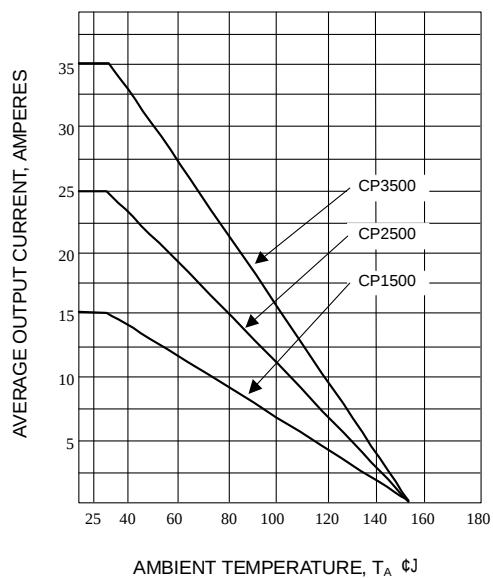


Fig. 3-OUTPUT CURRENT VS. AMBIENT TEMPERATURE RESISTIVE OR INDUCTIVE LOAD BRIDGE MOUNTED ON A 8"×8" ALUMINUM PLATE 25" THICK

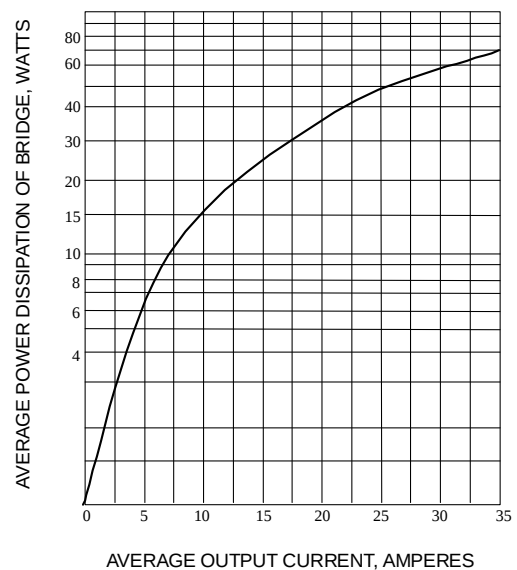


Fig. 4-POWER DISSIPATION VS. AVERAGE OUTPUT CURRENT RESISTIVE OR INDUCTIVE LOAD, $T_j = 175\text{ }^{\circ}\text{C}$