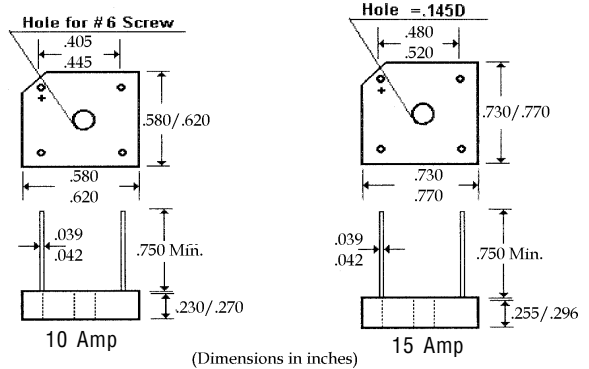
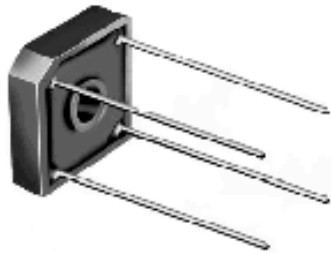


Description

10 to 15 Amp  
SINGLE PHASE SILICON BRIDGE  
Mechanical Dimensions

KBPSC10 & 15 Series



Features

- BUILT-IN INTEGRAL HEAT SINK
- UL RECOGNITION AVAILABLE
- SMALL PACKAGE
- UP TO 300 AMP SURGE OVERLOAD RATING
- LOW LEAKAGE CURRENT, LESS THAN 1μA

KBPSC10 . . . 15 Series							Units	
<b>Maximum Ratings</b>	<b>-00</b>	<b>-01</b>	<b>-02</b>	<b>-04</b>	<b>-06</b>	<b>-08</b>	<b>-10</b>	
Peak Repetitive Reverse Voltage... $V_{RRM}$	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	560	700	Volts
DC Blocking Voltage... $V_{DC}$	50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current... $I_{F(av)}$	KBPSC10	.....		10	.....			Amps
	KBPSC15	.....		15	.....			Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$	KBPSC10	.....		200	.....			Amps
	KBPSC15	.....		300	.....			Amps
Operating & Storage Temperature Range... $T_J, T_{STRG}$	..... -65 to 175 .....							°C
<b>Electrical Characteristics</b>								
Maximum Forward Voltage... $V_F$	.....			1.1	.....			Volts
Isolation Voltage Case to Leads... $V_{ISO}$	.....			2000	.....			Volts AC
Maximum DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	.....			10	.....			μAmps
Maximum Thermal Resistance... $R_{θJC}$ (Note 1)	.....			1.2	.....			°C/W

NOTES: 1. Thermal Resistance from Junction to Case for Total Bridge.

# 10 to 15 Amp SINGLE PHASE SILICON BRIDGE

Fig. 1 — MAXIMUM FORWARD SURGE CURRENT

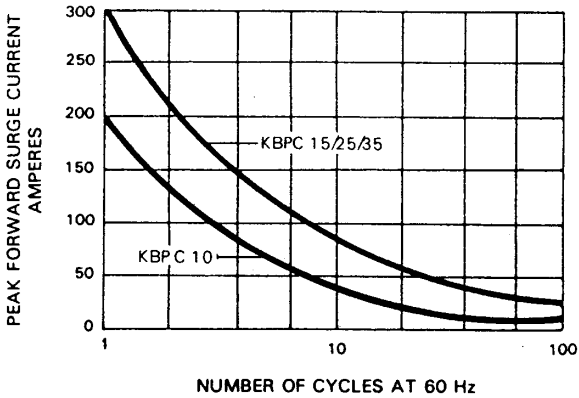


Fig. 2 — DERATING CURVE FOR  
OUTPUT RECTIFIED CURRENT

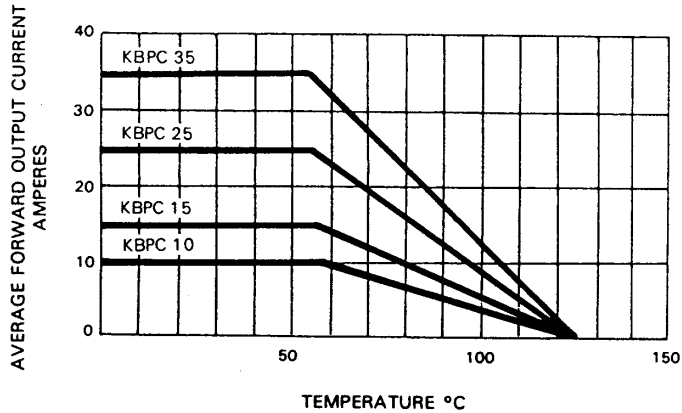


Fig. 3 — TYPICAL FORWARD  
CHARACTERISTICS

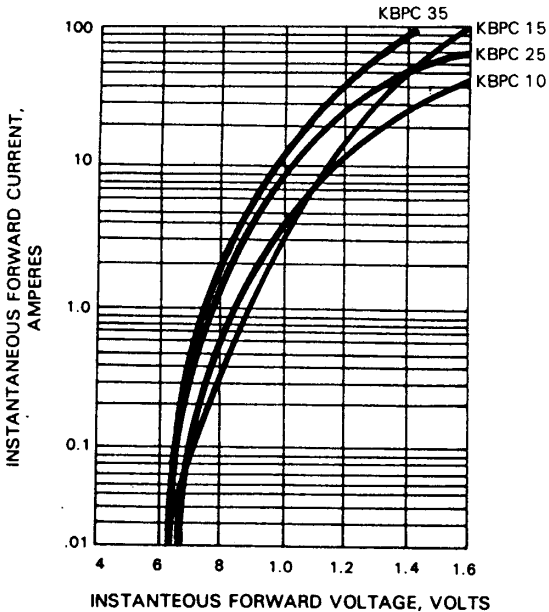


Fig. 4 — TYPICAL REVERSE  
CHARACTERISTICS

