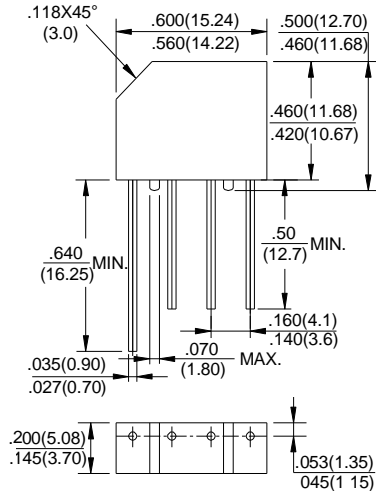


KBP005 THRU KBP10

BRIDGE RECTIFIERS

Voltage Range - 50 to 1000 Volts Current - 1.5 Ampere

KBP



Dimensions in inches and (millimeters)

FEATURES

- ◆ Glass passivated chip
- ◆ High surge forward current capability

MECHANICAL DATA

Case: Molded plastic body
Lead: Solder plated
Polarity: As marked

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load, 60HZ.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	KBP 005	KBP 01	KBP 02	KBP 04	KBP 06	KBP 08	KBP 10	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ T _A =50 °C	I(AV)	1.5							A
Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	50							A
Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak	V _F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T _J =100°C	I _R	10.0							µA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T _J =100°C	I _R	1.0							mA
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

RATINGS AND CHARACTERISTIC CURVES KBP005 THRU KBP10

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

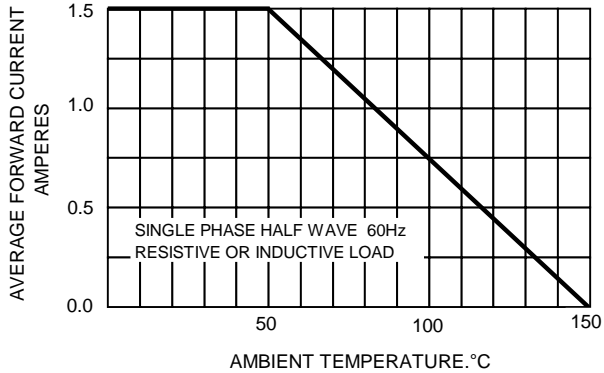


FIG.2-TYPICAL FORWARD CHARACTERISTICS

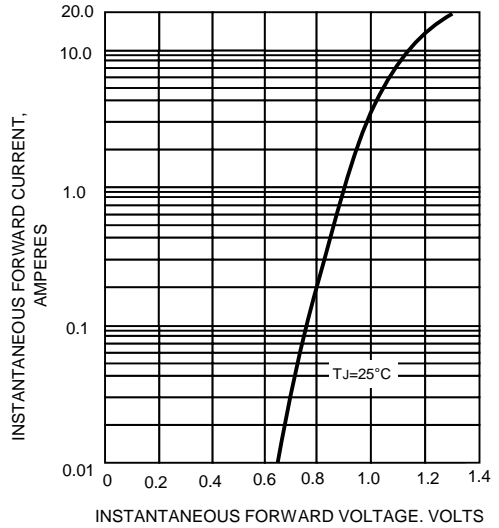


FIG.3-TYPICAL REVERSE CHARACTERISTICS

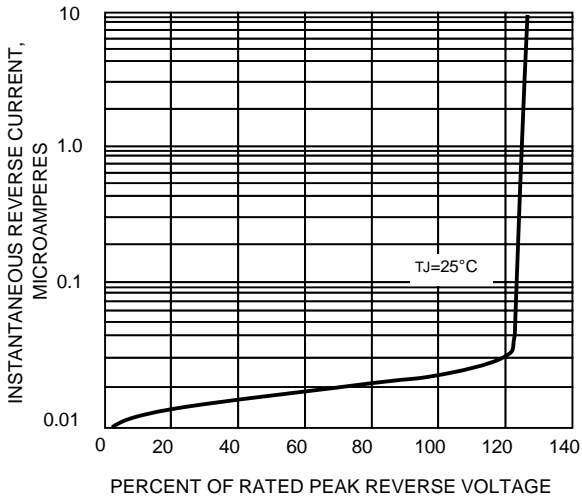


FIG.4-MAXIMUM FORWARD SURGE CURRENT

