

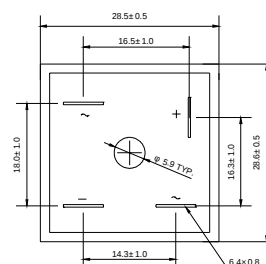
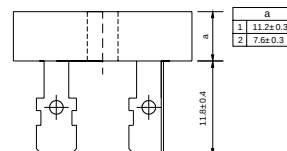
VOLTAGE RANGE: 1200 V
CURRENT: 25.0 A



Features

- ◇ Rating to 1200V PRV
- ◇ Surge overload rating to 300 Amperes
- ◇ peak Ideal for printed circuit board
- ◇ Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ◇ Lead solderable per MIL-STD-202 method 208

KBPC



Dimensions in millimeters

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

		KBPC2512	UNITS
Maximum recurrent peak reverse voltage	V_{RRM}	1200	V
Maximum RMS voltage	V_{RMS}	840	V
Maximum DC blocking voltage	V_{DC}	1200	V
Maximum average forward Output current @ $T_A=25^{\circ}\text{C}$	$I_{F(AV)}$	25.0	A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	300.0	A
I^2t Rating for fusing @ $T_J=25^{\circ}\text{C}$	I^2t	450	A ² S
Maximum instantaneous forward voltage @ 7.5 A	V_F	1.1	V
Maximum reverse current @ $T_A=25^{\circ}\text{C}$ at rated DC blocking voltage @ $T_A=100^{\circ}\text{C}$	I_R	5.0 3.0	μA mA
Typical thermal resistance per leg	$R_{\theta JC}$	1.6	$^{\circ}\text{C/W}$
Operating junction temperature range	T_J	- 55 ---- + 150	$^{\circ}\text{C}$
Storage temperature range	T_{STG}	- 55 ---- + 150	$^{\circ}\text{C}$

Ratings AND Characteristic Curves

FIG1:Io-Tc Curve

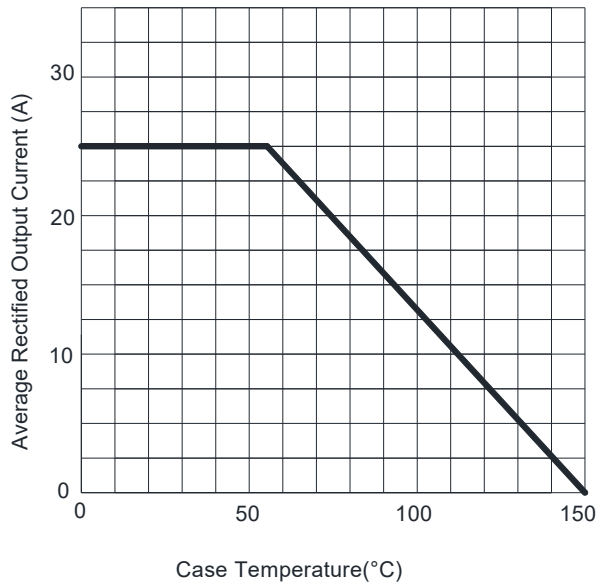


FIG2:Surge Forward Current Capability

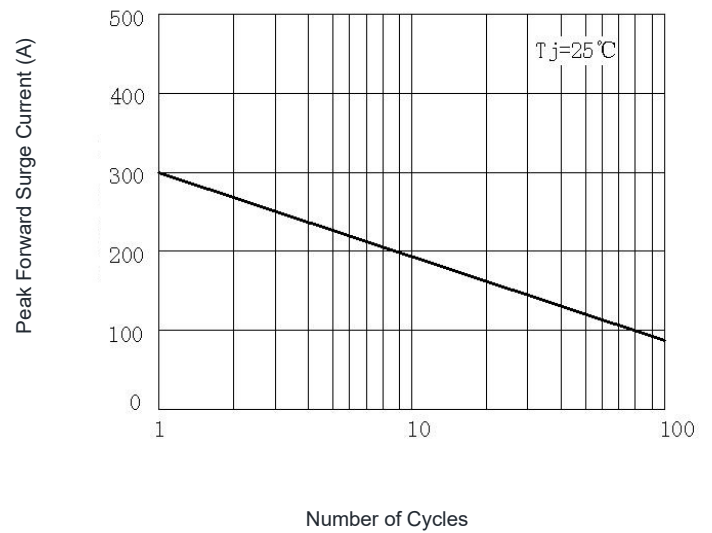


FIG3:Instantaneous Forward Voltage

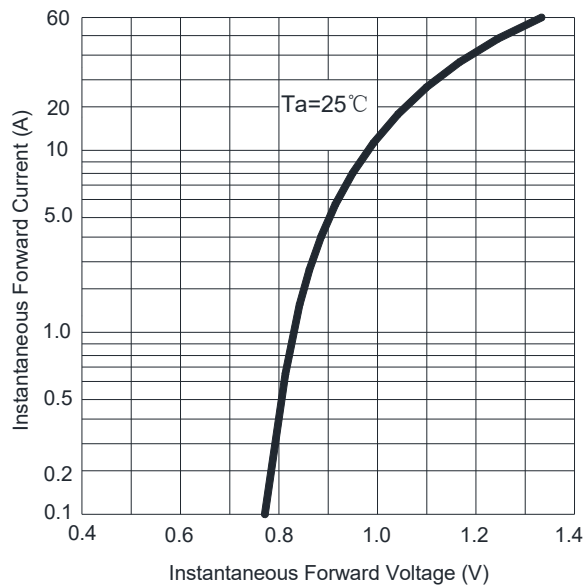


FIG4:Typical Reverse Characteristics

