



KBPC10,15,25,35,50 SERIES

[参考資料]

SILICON BRIDGE RECTIFIERS

VOLTAGE 50 to 1000 Volts **CURRENT** 10~50 Amperes

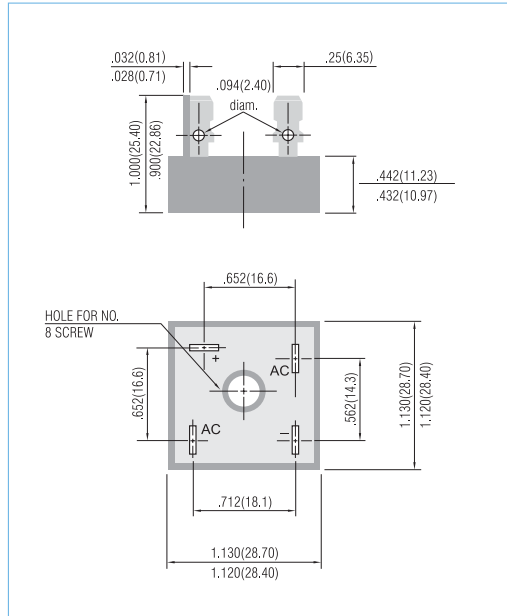
CM / KBPC Unit: inch (mm)

FEATURES

- Integrally molded heatsinks provide very low thermal resistance for maximum
- Surge overload rating:400 amperes.
- Terminals either universal .25(6.35mm) FASTON or wire leads.
- High temperature soldering guaranteed : 265°C / 10 seconds /51bs.,(2.3kg) tension
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case : CM / KBPC package
- Terminals : Leads solderable per MIL-STD-750, Method 2026
- Mounting : Thru hole for #6 screw
- Mounting position : Any
- Weight : 31 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, Resistive or inductive load.
For capacitive load, derate current by 20%

PARAMETER	SYMBOL	KBPC 00	KBPC 01	KBPC 02	KBPC 04	KBPC 06	KBPC 08	KBPC 10	UNITS
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 at $T_c=55^\circ C$	$I_{F(AV)}$	KBPC10 KBPC15 KBPC25 KBPC35 KBPC50			10 15 25 35 50				A
Peak Forward Surge Current SINGLE sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	KBPC10 KBPC15 KBPC25 KBPC35 KBPC50			200 300 300 400 400				A
Maximum Instantaneous Forward Voltage per Bridge Element at Specified Current	V_F	KBPC10 5A KBPC15 7.5A KBPC25 I_F 12.5A KBPC35 17.5A KBPC50 25A			1.0				V
Maximum DC Reverse Current at Rated DC Blocking Voltage per element $T_A=25^\circ C$	I_R				10				μA
Operating Temperature Range	T_J				-65 to +125				$^\circ C$
Storage Temperature Range	T_{STG}				-65 to +150				$^\circ C$

NOTES: 1. Unit mounted on metal chassis
2. Unit mounted on P.C. board.



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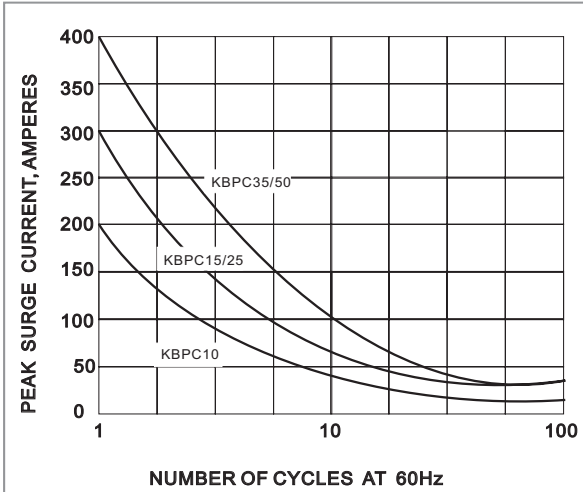


FIG.1-MAXIMUM FORWARD SURGE CURRENT

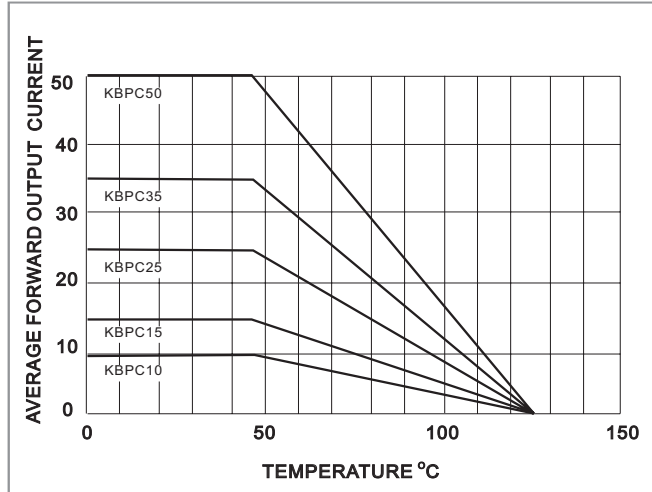


FIG.2-DERATING CURVE OUTPUT RECTIFIED CURRENT

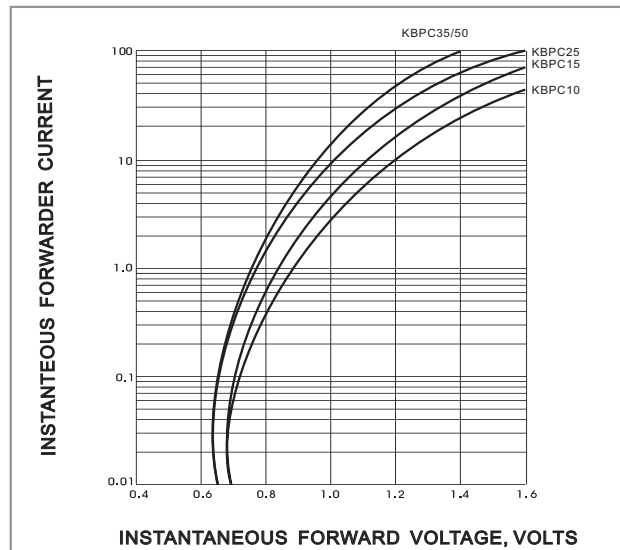


FIG.3-TYPICAL FORWARD CHARACTERISTICS(25°C)

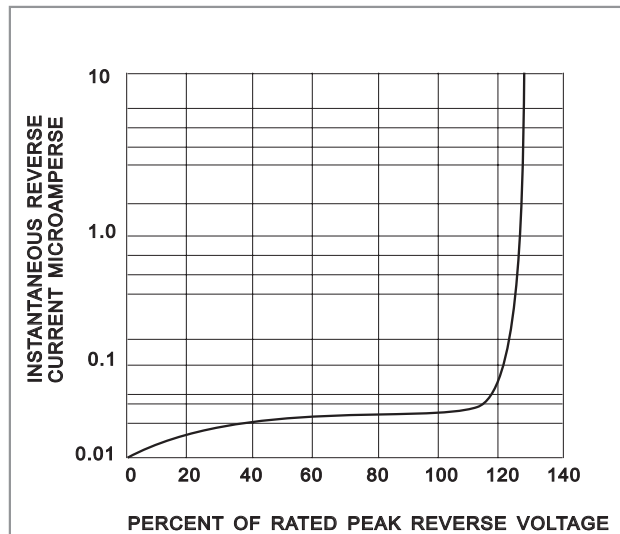


FIG.4-TYPICAL REVERSE CHARACTERISTIC

LEGAL STATEMENT

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