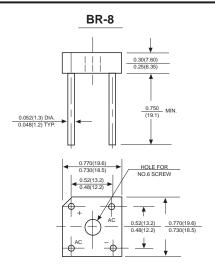
KBPC8005 THRU KBPC810 AND BR805 THRU BR810

SILICON BRIDGE RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 8.0 Amperes



Dimensions in inches and (millimeters)

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Ideal for printed circuit boards
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds,at 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: Molded plastic body

Terminals: Plated leads solderable per MIL-STD-750.

Method 2026

Polarity: Polarity symbols marked on case

Mounting: Thru hole for #6 serew, 5in.-lbs. torque max.

Weight: 0.200 unce, 5.62 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

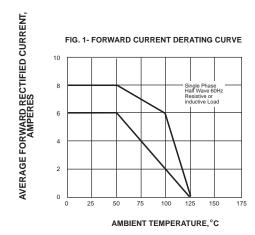
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

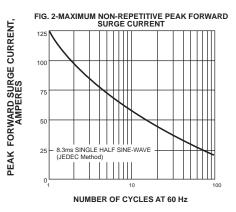
		SYMBOLS	KBPC 8005 BR805	KBPC 801 BR81	KBPC 802 BR82	KBPC 804 BR84	KBPC 806 BR86	KBPC 808 BR88	KBPC 810 BR810	UNITS
Maximum repetitive peak reverse voltage		Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage		VRMS	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage		VDC	50	100	200	400	600	800	1000	VOLTS
Maximum average	Tc=50°C (Note 1)	8.0								
forward output	Tc=100°C (Note 1)	l(AV)	6.0						Amps	
rectified current at	Ta=50°C (Note 2)	6.0								
Peak forward surge current										
8.3ms single half sine-wave superimposed on		IFSM	125.0							Amps
rated load (JEDEC Method)										
Rating for Fusing(t<8.3ms)		l ² t	64						A ² s	
Maximum instantaneous forward voltage drop		VF	1.1							Volts
per bridge element at 4.0A		VF								
Maximum DC reverse current Ta=25°C at rated DC blocking voltage Ta=100°C		l _R	10							μΑ
		IK I	1.0							mA
Isolation voltage from case to leads		Viso	2500						Vac	
Typical Thermal Resistance (Note 1)		Rθja	6.0						°C/W	
Operating junction temperature range		Тı	-55 to +125						°C	
storage temperature range		Тѕтс	-55 to +150							°C

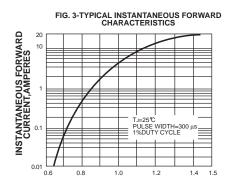
1.Unit mounted on 8.7" x 8.7" x0.24" thick(22x22x0.6cm)Al.plate.
2.Unit mounted on P.C. board with 0.47" x 0.47" (12x12mm) copper pads,0.375" (9.5mm) lead length.

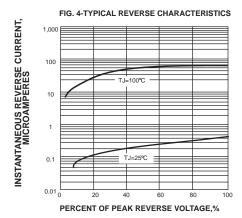


RATINGS AND CHARACTERISTIC CURVES KBPC8005 THRU KBPC810 AND BR805 THRU BR810

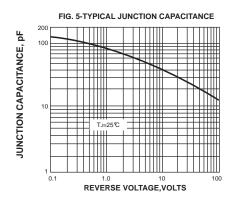


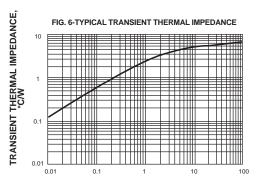












t,PULSE DURATION,sec.

