KBPC35005 THRU KBPC3510

High Current 35 AMPS. Single Phase Glass Passivated Bridge Rectifiers

Voltage Range 50 to 1000 Volts Current 35 Amperes

FEATURES

- Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- ◆ High temperature soldering guaranteed:
 260 °C / 10 seconds / 0.375" (9.5mm)
 lead length at 5 lbs., (2.3 kg) tension
- ♦UL Recognized File number: E347214

MECHANICAL DATA

- Case: Molded plastic
- ◆Lead: solder plated
- Polarity: As marked

KBPC25

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

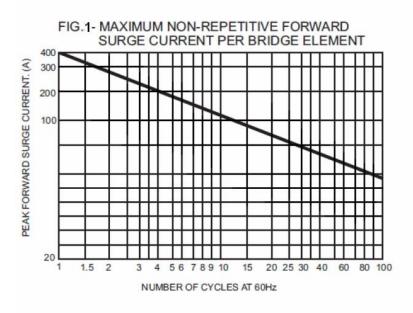
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

Type Number	SYMBOLS	KBPC	KBPC	KBPC	KBPC	KBPC	KBPC	KBPC		
		35005	3501	3502	3504	3506	3508	3510	UNITS	
Maximum Repetitive Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current	Luna									
at Tc=55℃	I(AV)	35							A	
Peak Forward Surge Current,										
8.3ms Single Half Sine-wave Superimposed on	IFSM 400						А			
Rated Load (JEDEC method)										
Maximum Instantaneous Forward Voltage at 17.5A	VF	1.1							V	
Maximum DC Reverse Current	1-	10							μΑ	
at Rated DC Blocking voltage per Element	lr									
Typical Thermal Resistance (Note)	Rejc	2.0							°C /W	
Operating Temperature Range	TJ	-55 to +150							°C	
Storage Temperature Range	Tstg	-55 to +150							°C	

Note: Thermal Resistance from Junction to Case.

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RATING AND CHARACTERISTIC CURVES KBPC35005 THRU KBPC3510



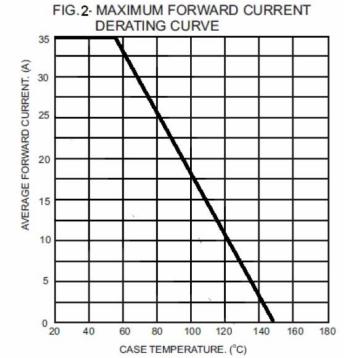
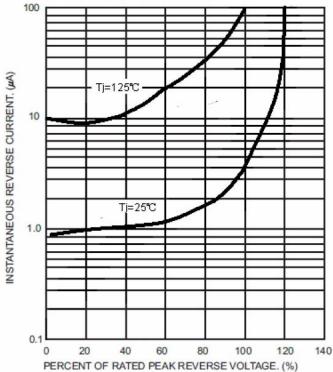


FIG. 3- TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT 1000 INSTANTANEOUS FORWARD CURRENT. (A) 100 10 1.0 0.1 .6 .8 1.0 1.2 1.4 1.6 1.8 2.0 FORWARD VOLTAGE. (V)

FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT



Note: Specifications are subject to change without notice.