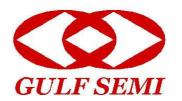
3KBP005M THRU 3KBP10M

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIER

Voltage: 50 to 1000V Current:3.0A



Features

Glass passivated chip junction High case dielectric strength High surge current capability Ideal for printed circuit board

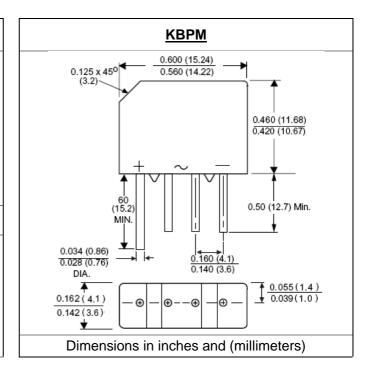
Mechanical Data

Terminal: Plated leads solderable per MIL-STD 202E,

Method 208C

Case: UL-94 Class V-0 recognized Flame Retardant Epoxy

Polarity: As marked on body



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

Symbol	3KBP 005M	3KBP 01M	3KBP 02M	3KBP 04M	3KBP 06M	3KBP 08M	3KBP 10M	units
Vrrm	50	100	200	400	600	800	1000	V
Vrms	35	70	140	280	420	560	700	V
Vdc	50	100	200	400	600	800	1000	V
If(av)	3.0							Α
Ifsm	80						Α	
♥ Vf	1.05						٧	
l ² t	32						A ² Sec	
1 11	5.0 500						μΑ	
Rth(ja) Rth(jc)	30 11						°C/W	
Cj	25						pF	
Tj, Tstg	-55 to +150							$^{\circ}$
:	Vrrm Vrms Vdc If(av) Ifsm Property Vf Ifsm Rth(ja) Rth(jc) Cj	Symbol 005M	Symbol 005M 01M	Symbol 005M 01M 02M	Symbol 005M 01M 02M 04M Vrrm 50 100 200 400 Vrms 35 70 140 280 Vdc 50 100 200 400 If(av) 3.0 80 P Ifsm 80 80 P Vf 1.05 I²t 32 5.0 Ir 500 500 Rth(ja) 30 11 Cj 25	Symbol 005M 01M 02M 04M 06M Vrrm 50 100 200 400 600 Vrms 35 70 140 280 420 Vdc 50 100 200 400 600 If(av) 3.0 80 P Vf 1.05 I't 32 5.0 Stol 500 500 Rth(ja) 30 11 Cj 25 25	Symbol 005M 01M 02M 04M 06M 08M Vrrm 50 100 200 400 600 800 Vrms 35 70 140 280 420 560 Vdc 50 100 200 400 600 800 If(av) 3.0 80 80 80 80 9 1.05 1.0	Symbol 005M 01M 02M 04M 06M 08M 10M

Note:

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^{1.} Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.47 x 047" (12 x 12mm) copper pads

RATINGS AND CHARACTERISTIC CURVES 3KBP005M THRU 3KBP10M

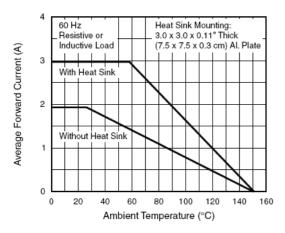


Figure 1. Forward Current Derating Curve

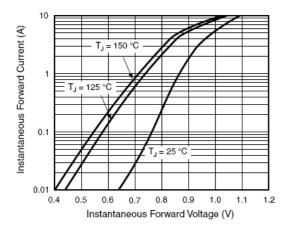


Figure 3. Typical Forward Characteristics Per Diode

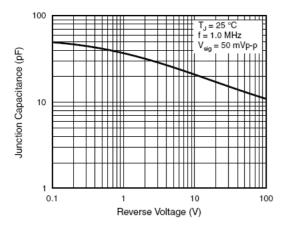


Figure 5. Typical Junction Capacitance Per Diode

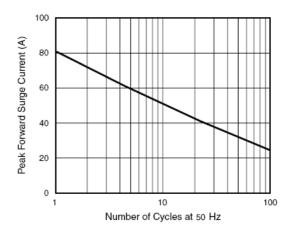


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current Per Diode

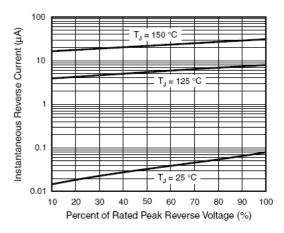


Figure 4. Typical Reverse Leakage Characteristics Per Diode

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