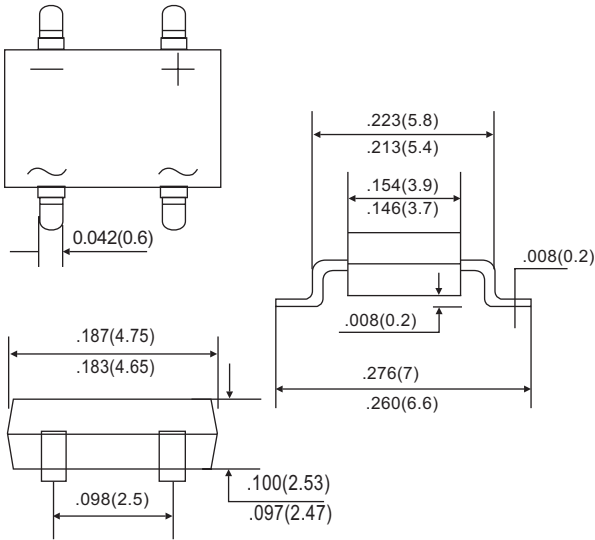




MB05S THRU MB10S

玻璃钝化桥式整流器
GLASS PASSIVATED BRIDGE RECTIFIERS



Unit: inch(mm)

特征 FEATURES

- * Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- * High surge current capability
- * UL file number:E252843
- * High temperature soldering guaranteed: 250°C/10 seconds at 5 lbs.(2.3kg)tension

机械数据 MECHANICAL DATA

CASE:Molded plastic body over passivated junctions
Terminals:plated leads solderable per MIL - STD-750, Method 2026
Polarity:Polarity symbols marked on body
Mounting Position:Any
Weight:0.0046 ounce,0.129grams

极限值和电参数 TA=25°C 除非另有规定

Maximum Ratings&Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified

	SYMBOLS	MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
最大均方根电压 Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
最大直流阻断电压 Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
最大正向平均整流电流 Maximum average forward output rectified	I(AV)	0.5							Amp
正向峰值浪涌电流 8.3ms 单一正弦半波 Peak forward surge current 8.3ms single half sine-wave	IFSM	30.0							Amps
最大正向电压降 Maximum forward voltage @IF=0.5/0.8A	VF	1.1							Volts
最大反向漏电流 Maximum reverse voltage	IR	5.0 500							uA
典型结电容 Type junction capacitance VR=4.0V f=1.0MHz	CJ	13.0							pF
工作温度和存储温度 Operating junction and storage temperature range	TJ.TSTG	-55 to + 150							°C

NOTES:

1. On glass epoxy P.C.B. mounted on 0.05 x 0.05" (1.3 x 1.3mm) pads.
2. On aluminum substrate P.C.B. with an area of 0.8 x 0.8" (20x20mm) mounted on 0.05x0.05" (1.3x1.3mm) solder pads.
3. Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts

RATING AND CHARACTERISTIC CURVES (TA=25°C UNLESS OTHERWISE NOTED)

MB05S THRU MB10S

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

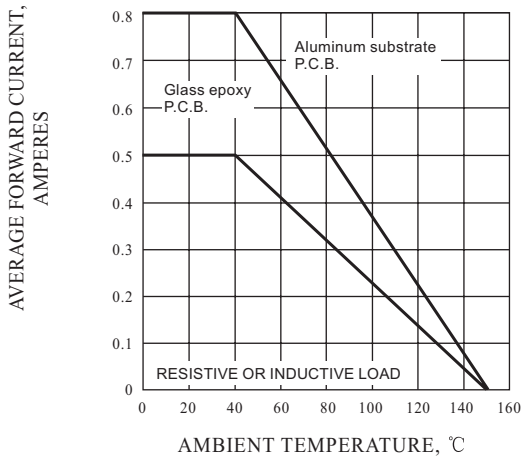


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

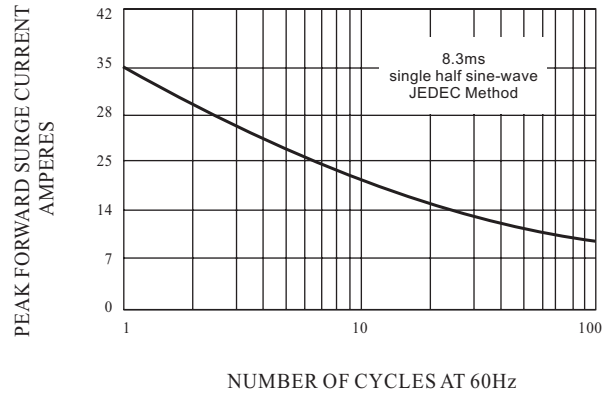


FIG. 4 - TYPICAL REVERS CHARACTERISTICS

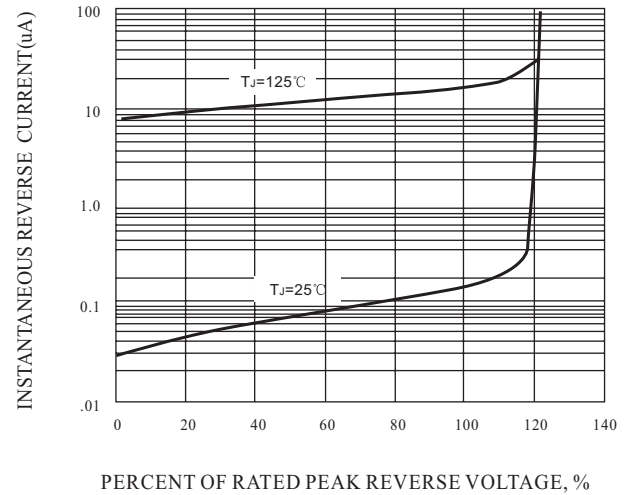


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

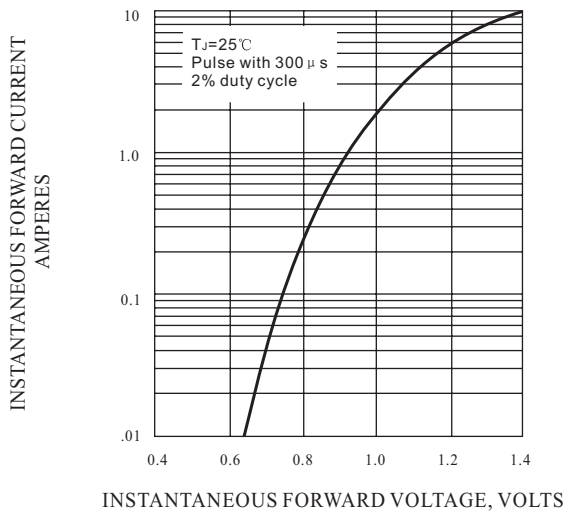


FIG. 5 TYPICAL JUNCTION CAPACITANCE

