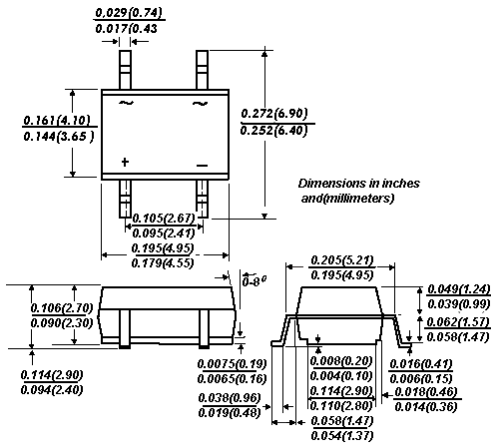
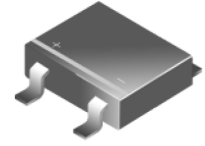


表面贴装整流桥 MB05S thru MB10S

Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier
Reverse Voltage 50 to 1000V Forward Current 0.8A

FEATURES

- ◆ 表面贴装应用
- ◆ 塑料封装 (MBS)
- ◆ 玻璃钝化芯片
- ◆ 浪涌电流 30A
- ◆ 最高焊接温度 260°C /10 秒



MECHANICAL DATA

- ◆ 封装: 塑料封装:
- ◆ 焊接端子: 锡镀层
- ◆ 包装: 36K/箱 3 K / Reel (13")
- ◆ 重量: 0.125g

MAXIMUM RATINGS AND THERMAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	Symbols	MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	Units
Maximum recurrent peak reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward output rectified current (see Fig :1) on glass-epoxy P.C.B. (1) on aluminum substrate (2)	$I_{F(AV)}$				0.5 0.8				Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}				30.0				Amps
Maximum instantaneous forward voltage drop per leg at 0.4A	V_F				1.0				Volts
Maximum DC reverse current $T_A=25^\circ\text{C}$ at rated DC blocking voltage $T_A=125^\circ\text{C}$	I_R				5.0 100.0				μA
Rating for fusing ($t<8.3\text{ms}$)	I^2t				5.0				A^2sec
Typical junction capacitance per leg at 4.0V,1MHz	C_J				13.0				pF
Typical thermal resistance per leg	$R_{\theta JL}$				20.0				$^\circ\text{C}/\text{W}$
	$R_{\theta JA}$				85.0 ⁽¹⁾				
	$R_{\theta JA}$				70.0 ⁽²⁾				
Operating junction and storage temperature range	$T_{JT_{STG}}$				-55 to+150				$^\circ\text{C}$

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" (20 x 20mm) mounted

RATINGS AND CHARACTERISTIC CURVES MB05S thru MB10S

