

SINGLE-PHASE GLASS PASSIVATED MINI SILICON SURFACE MOUNT BRIDGE RECTIFIER
VOLTAGE RANGE 50 to 1000 Volts CURRENT 0.5 Ampe

FEATURES

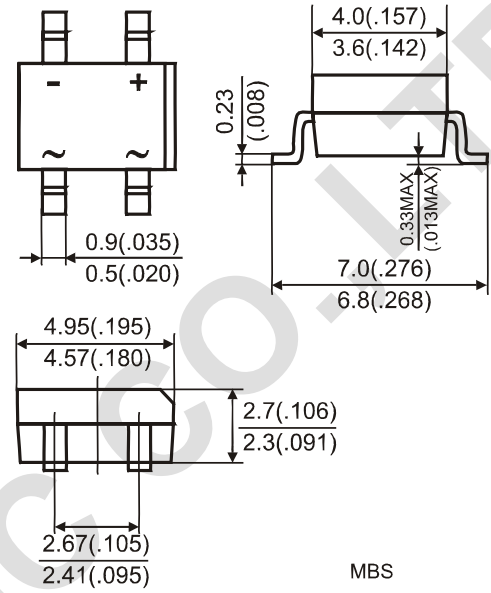
- Surge overload rating-30 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded
- Glass passivated device
- Polarity symbols molded on body
- Mounting position:Any
- Weight:0.5 gram

MECHANICAL DATA

- Epoxy:Device has UL flammability classification 94V-0
- UL listed the recognized component directory,file#E94233

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 ,derate current by 20%.



Dimensions in millimeters

Absolute Maximum Ratings (At Ta=25°C unless otherwise noted)

RATINGS	SYMBOL	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	NITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage	V _{RMS}	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Rectified Current at TA=30°C -on glass-epoxy P.C.B.(NOTE1) -on aluminum substrate(NOTE2)	I <sub(av)< sub=""></sub(av)<>	0.5 0.8						Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	30						Amps
Operating and Storage Temperature Range	T _J ,T _{STG}	-55 to + 150						°C

ELECTRICAL CHARACTERISTICS (At Ta=25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
Maximum Forward Voltage Drop per Bridge Element at 0.5A DC	V _F	1.05						Volts
Maximum Reverse Current at rated DC Blocking Voltage per element	@ TA=25°C	10						uAmps
	@ TA=125°C	0.5						mAmps

NOTE:

- On glass-epoxy P. C.B.mounted on 0.05X0.05" (1.3X1.3mm) pads
- On aluminum substrate P.C.B.with an area of 0.8X0.8X0.25" (20X20X6.4mm) mounted on 0.05X0.05" (1.27X1.27mm) solder pad.
- Suffix. "S" Surface Mount for Mini Dip Bridge.

