TB1M~TB10M-HAF

Surface Mount Flat Bridge Rectifier Reverse Voltage - 100 to 1000 V Forward Current - 1 A

Features

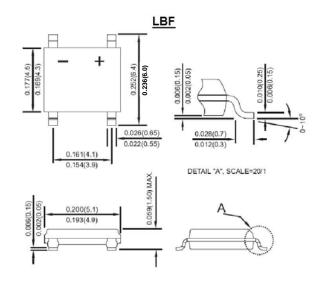
- · Ideal for printed circuit board
- · Glass passivated chip
- Reliable low cost construction utilizing molded plastic technique
- Small size, simple installation
- Halogen and Antimony Free(HAF), RoHS compliant

Mechanical Data

 Terminal: Plated leads solderable per MIL-STD 202E, method 208C

• Case: UL-94 Class V-0 recognized flame retardant epoxy

• Polarity: Polarity symbol marked on body



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical characteristics

Single-phase, half-wave, 60 Hz, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20 %.

Parameter	Symbols	TB1M	TB2M	TB4M	TB6M	TB8M	TB10M	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current on Glass-expoxy P.C.B.	I _{F(AV)}	1						Α
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	30						Α
Maximum Instantaneous Forward Voltage at Forward Current 0.4 A	V _F	0.95					٧	
$ \begin{array}{ll} \text{Maximum DC Reverse Current} & \text{T_a = 25°C} \\ \text{at Rated DC Blocking Voltage} & \text{T_a = 125°C} \end{array} $	I _R	5 100					μA	
Typical Thermal Resistance Junction to Lead On Glass-expoxy P.C.B.	$R_{ heta JL} \ R_{ heta JA}$	42 88						°C/W
Operating and Storage Temperature Range	T_j , T_{stg}	- 55 to + 150					°C	







