Kingtronics®

MB1S THRU MB10S

SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE: 100 to 1000 Volts FORWARD CURRENT: 0.8 Ampere

FEATURES

Rating to 1000V PRV
Ideal for printed circuit board
Reliable low cost construction utilizing
Molded plastic technique results in inexpensive product
Lead tin plated copper

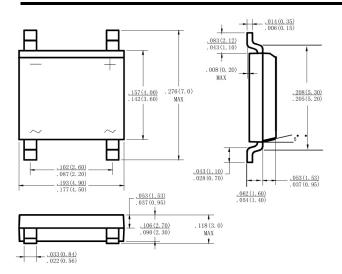
MECHANICAL DATA

Polarity: Symbol molded on body Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load derate current by 20%

MBS



Dimensions in inches and (millimeters)

CHARACTERISTICS	SYMBOLS	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
Maximum Repetitive Peak Reverse Voltage	Vrrm	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (Note 1) @Ta=40 ℃	I(AV)	0.8						А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	Ігѕм	30						А
Peak Forward Voltage at 0.8A DC	VF	1.1						V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Blocking Voltage @TJ=125℃	lR	5.0 500						μΑ
Typical Junction Capacitance Per Element (Note2)	Сл	15						°C/W
Typical Thermal Resistance (Note3)	Rejl	75						
Operating Temperature Range	TJ	-55 to +150						$^{\circ}$ C
Storage Temperature Range	Тѕтс	-55 to +150						$^{\circ}$ C

NOTES: 1.Mounted on P.C. board. 2. Measured at1.0MHz and applied reverse voltage of 4.0V DC. 3. Thermal resistance junction to case

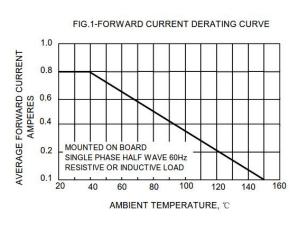
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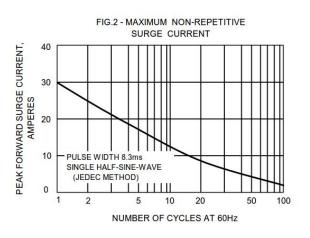
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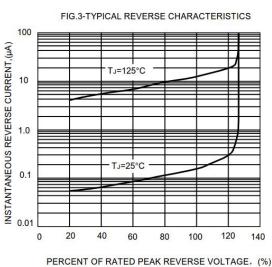
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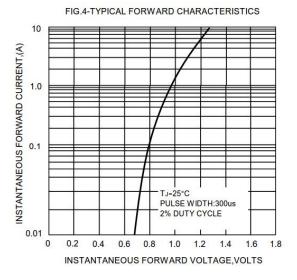
MB1S THRU MB10S

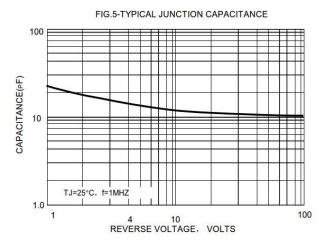
RATING AND CHRACTERISTIC CURVES











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