

MB05S~MB10S

BRIDGE RECTIFIERS

VOLTAGE 50 to 1000 Volt **CURRENT** 0.5 Ampere

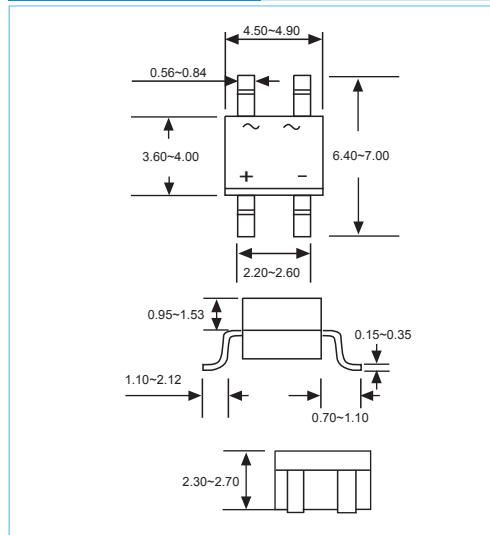
MBS Unit:mm

FEATURES

- Glass Passivated Diode Construction
- Saves space on printed circuit boards
- Low reverse leakage
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



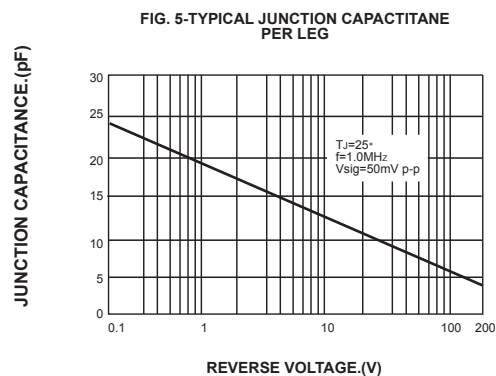
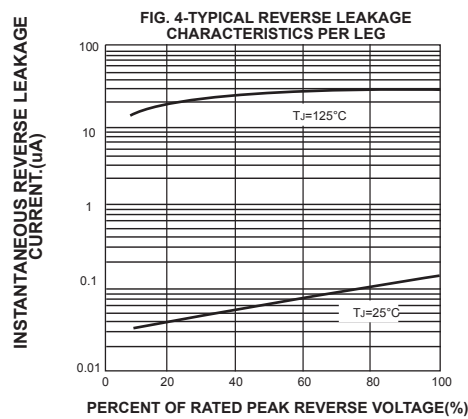
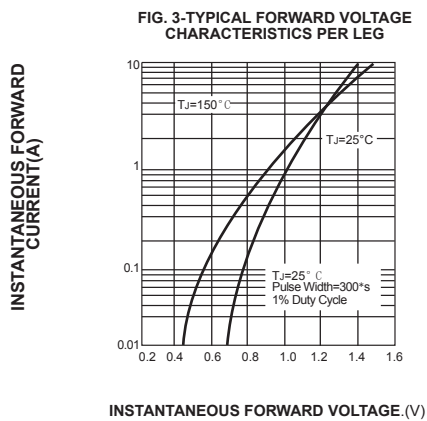
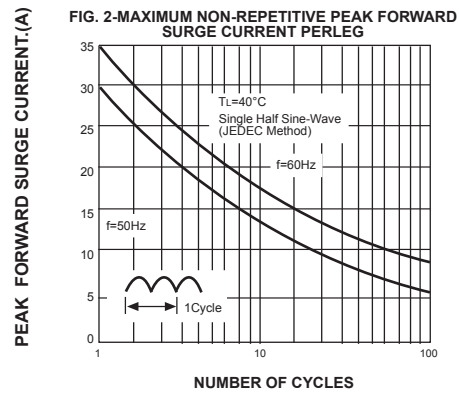
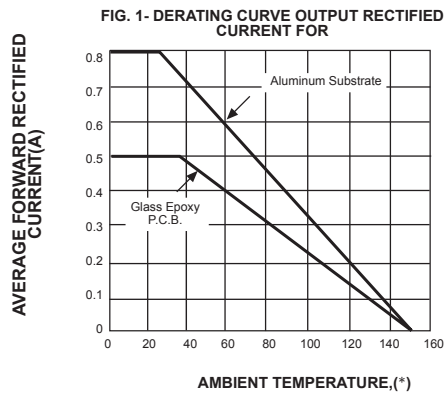
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current (see FIG.1)	$I_{F(AV)}$					0.5			A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}					35			A
Maximum Forward Voltage at 0.4 A	V_F					1.0			V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R					5			μA
						100			
Thermal Resistance	$R_{\theta JA}$					85			$^{\circ}C / W$
Operating Junction Temperature Range	T_J					-55 to +150			$^{\circ}C$
Storage Temperature Range	T_{STG}					-55 to +150			$^{\circ}C$

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RATING AND CHARACTERISTIC CURVES



MB05S~MB10S

Ordering Information

- Packing information

MB05S~MB10S	Packing Quantity
Tape&Reel	13 Inch; 3kpcs/Reel; 54kpcs/Ctn
Bulk(Tube/Box)	N/A