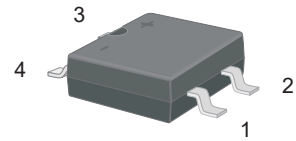


## Surface Mount Glass Passivated Bridge Rectifiers

### Features

- Glass Passivated Chip Junction
- Reverse Voltage: 40V to 200V
- High Surge Current Capability
- Designed for Surface Mount Application

### MBS



- 1.Input Pin(~)      2.Input Pin(~)  
3.Output Anode(+)      4.Output Cathode (-)

### Marking Code:

MB24S-TN: MB24S  
MB26S-TN: MB26S  
MB28S-TN: MB28S  
MB210S-TN: MB210S  
MB220S-TN: MB220S

### Maximum Ratings and Electrical Characteristics

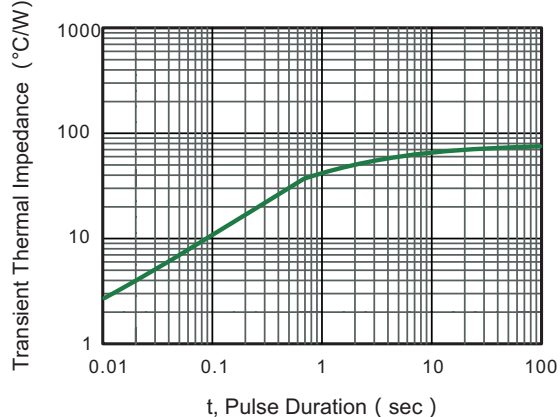
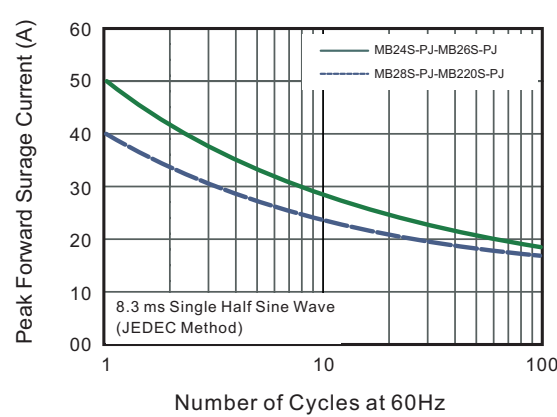
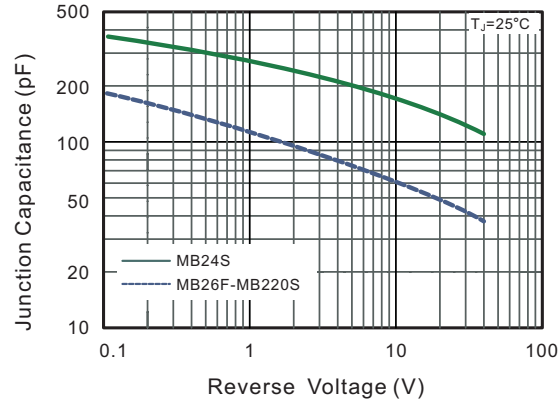
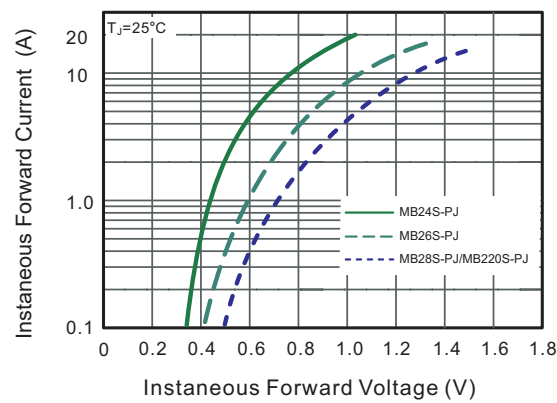
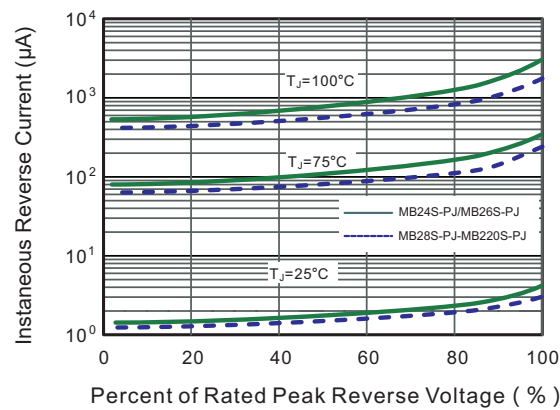
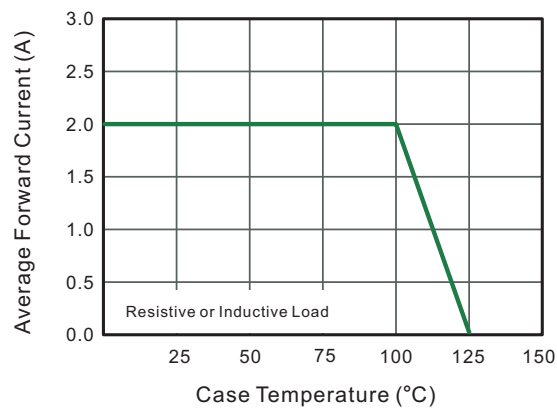
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter		Symbols	MB24S-PJ	MB26S-PJ	MB28S-PJ	MB210S-PJ	MB220S-PJ	Units
Maximum Repetitive Peak Reverse Voltage		V <sub>RRM</sub>	40	60	80	100	200	V
Maximum RMS Voltage		V <sub>RMS</sub>	28	42	56	70	140	V
Maximum DC Blocking Voltage		V <sub>DC</sub>	40	60	80	100	200	V
Maximum Average Rectified Output Current at T <sub>C</sub> =90°C		I <sub>O</sub>	2.0					A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)		I <sub>FSM</sub>	50		40			A
Maximum Instantaneous Forward Voltage at 2 A		V <sub>F</sub>	0.55	0.70	0.85			V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T <sub>A</sub> =25°C	I <sub>R</sub>	0.5	0.3			5	mA
	T <sub>A</sub> =100°C		10	5				
Typical Junction Capacitance <sup>Note1</sup>		C <sub>j</sub>	220	80				pF
Typical Thermal Resistance <sup>Note2</sup>		R <sub>θJA</sub>	75					°C/W
Junction Temperature		T <sub>J</sub>	125					°C
Storage Temperature Range		T <sub>STG</sub>	-55 to +150					°C

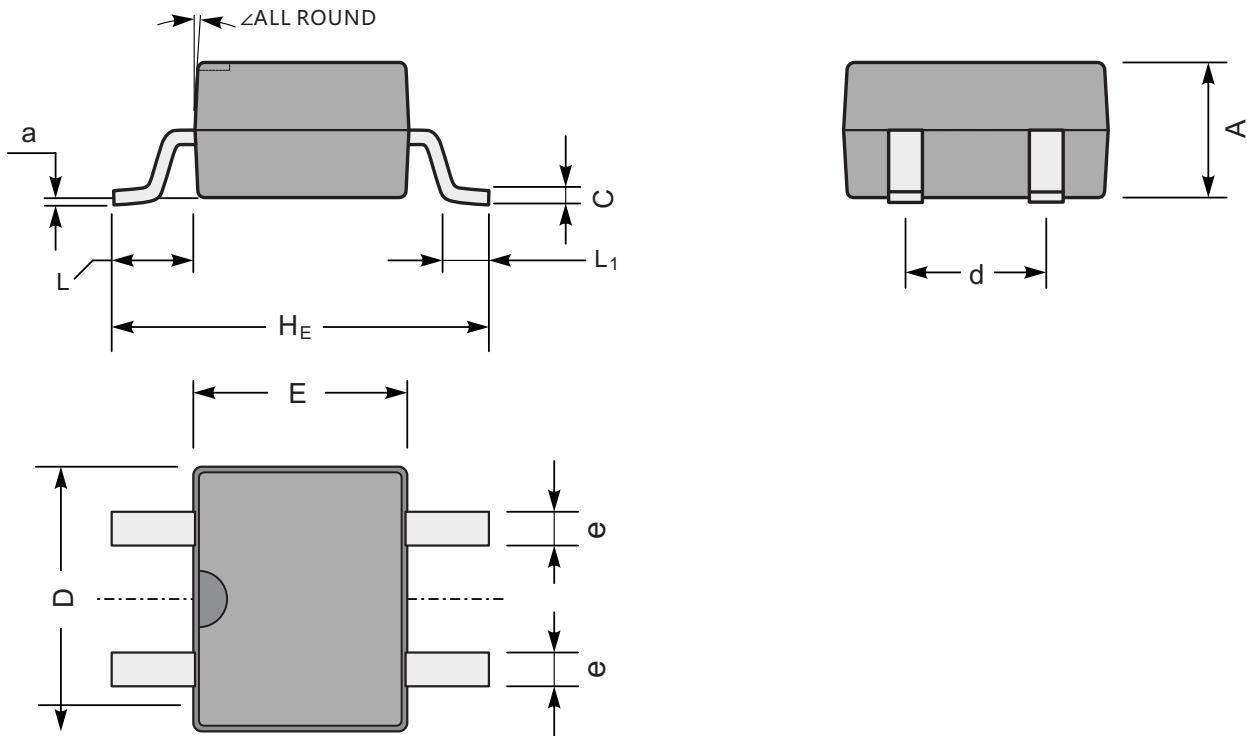
### Note:

1. Measured at 1 MHz and applied reverse voltage of 4 V D.C
2. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

Typical Characteristic Curves



Package Outline (MBS Dimensions in mm)



MBS mechanical data

UNIT		A	C	D	E	HE	d	e	L	L1	a	∠
mm	max	2.6	0.22	5.0	4.1	7.0	2.7	0.7	1.7	1.1	0.2	7°
	min	2.2	0.15	4.5	3.6	6.4	2.3	0.5	1.3	0.5	—	
mil	max	102	8.7	197	161	276	106	28	67	43	8	
	min	94	5.9	177	142	252	91	20	51	20	—	

Contact Information

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For additional information, please contact your local Sales Representative.

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