

MB12S-110S

Surface Mount Schottky Bridge Rectifiers
 REVERSE VOLTAGE: 20 - 100 V

Features

- High Temperature Soldering Guaranteed:260 C/10

Second

- Saves Space On Printed Circuit Board
- RoHS compliant package

Mechanical Characteristics

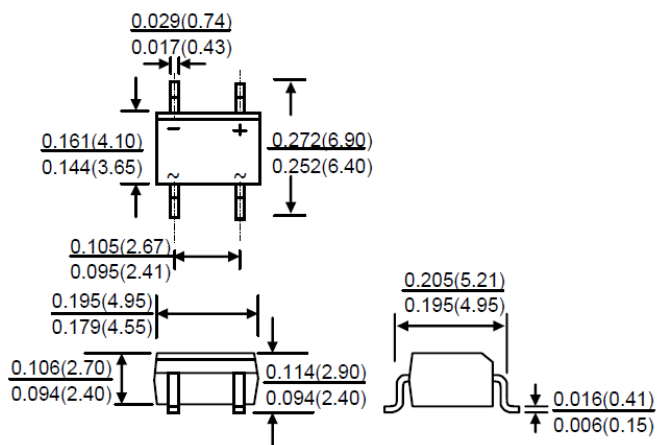
- Epoxy: UL94V-O rate flame retardant
- Lead: Lead Formed for Surface Mount

Package type : MBS

Packing & Order Information

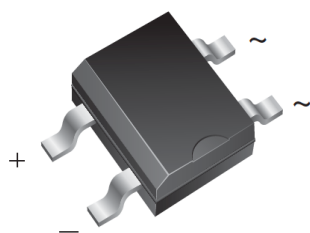
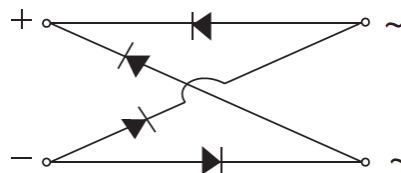
3,000/Reel

MBS (TO-269AA)



Dimensions in inches and (millimeters)

Graphic symbol



**RoHS
COMPLIANT**

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Maximum Ratings (Tc=25°C unless otherwise noted)

Parameter	Symbol	MB12S	MB14S	MB16S	MB18S	MB110S	Unit
Maximum recurrent peak reverse voltage	VRRM	20	40	60	80	100	V
Maximum RMS voltage	VRMS	14	28	42	56	70	V
Maximum DC blocking voltage	VDC	20	40	60	80	100	V
Maximum average forward rectified Current Total device	IF(AV)	1.0					A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30					A
Operating junction temperature range	Tj	-55 to +150 °C					°C
Storage temperature range	TSTG	-55 to +150 °C					°C

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Electrical characteristics (Tc=25°C unless otherwise noted)

Parameter	Symbol	Value					Unit
Maximum Instantaneous Forward Voltage per element at IF = 1.0 A	VF	0.50	0.50	0.70	0.85	0.85	V
Maximum reverse current Tj=25°C	IR	30					u'A
at working peak reverse voltage Tj=125°C		-55 to +150 °C					m'A
Storage temperature range	TSTG	-55 to +150 °C					

Thermal characteristics (Tc=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Typical thermal resistance		MB12S-110S	°C/W
	RθJA	85	
	Rthjl	28	

NOTE :

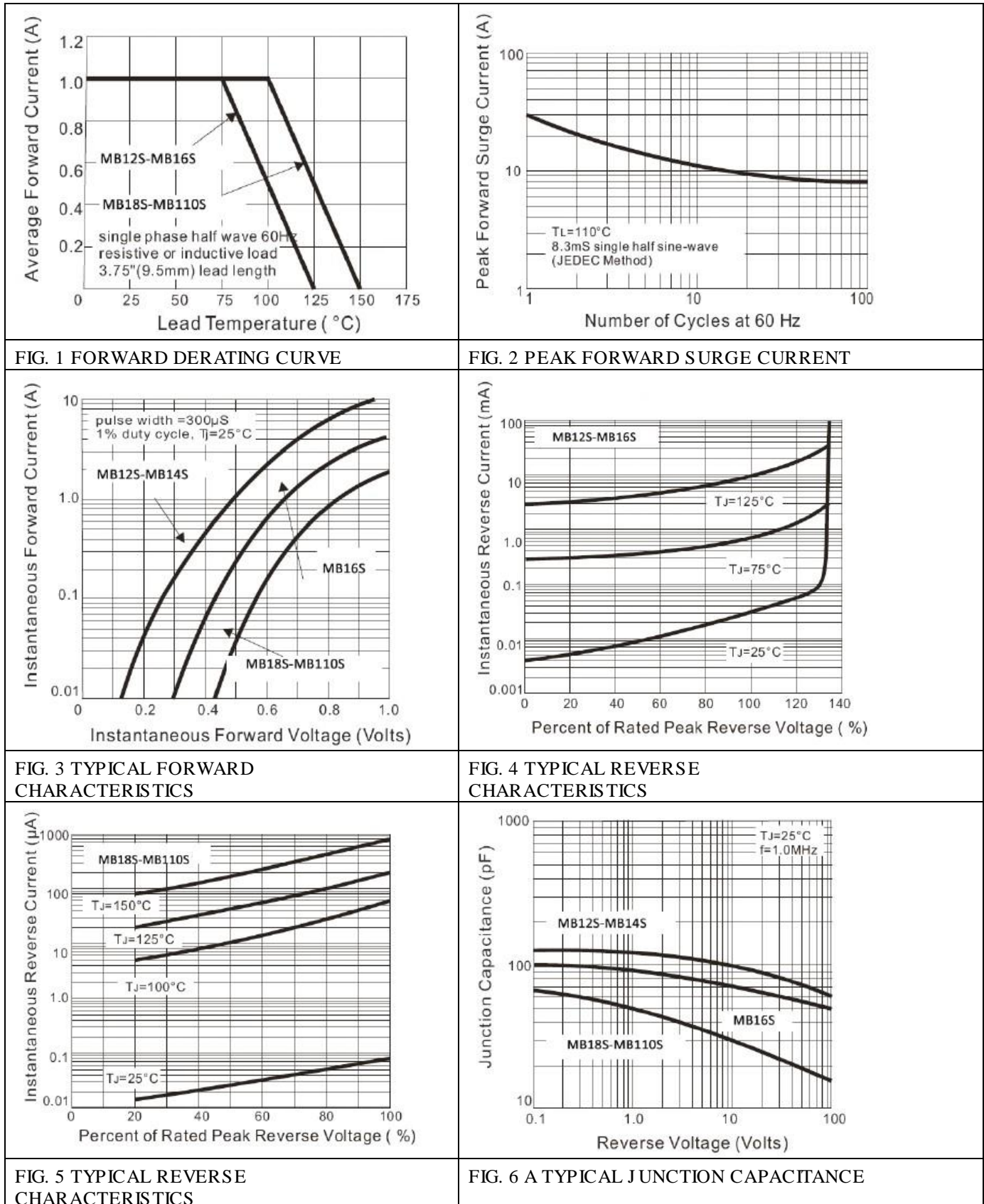
1.Pulse test: Pulse width 300us, duty cycle 1% (13mm x 13mm) Copper Pads.

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■ RATING AND CHARACTERISTIC CURVES



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Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE

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