

MB22S-210S

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

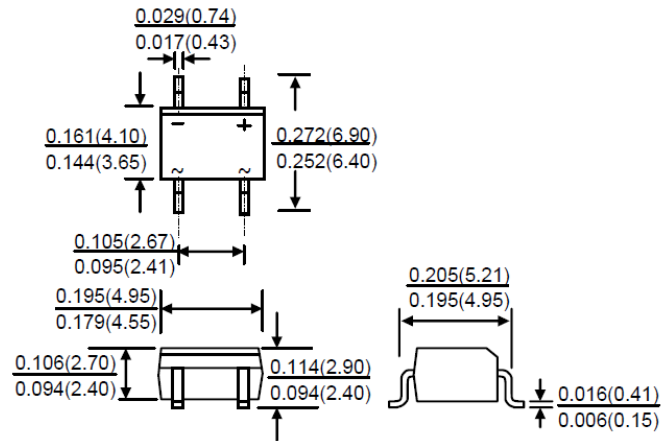
Mechanical Characteristics

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

Packing & Order Information

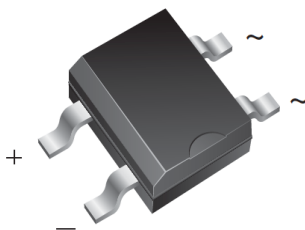
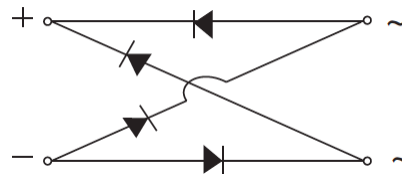
50/Tube ; 1,000/Box

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	MB22S	MB24S	MB26S	MB28S	MB210S	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)	2					A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50					A
Operating junction temperature range	T _J	-55 to +150					°C
Storage temperature range	T _{STG}	-55 to +150					°C

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

Parameter	Symbol	Value					Unit
Maximum instantaneous at IF=1A, Tj=25°C	VF	0.45	0.50	0.70	0.85	0.85	V
Maximum reverse current Tj=25°C	IR	500					u'A
at working peak reverse voltage Tj=125°C		20					m'A

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

Parameter	Symbol	Value	Unit
Typical thermal resistance	Symbol	MB22S-210S	°C/W
	RθJA	85	
	Rthjl	28	

NOTE :

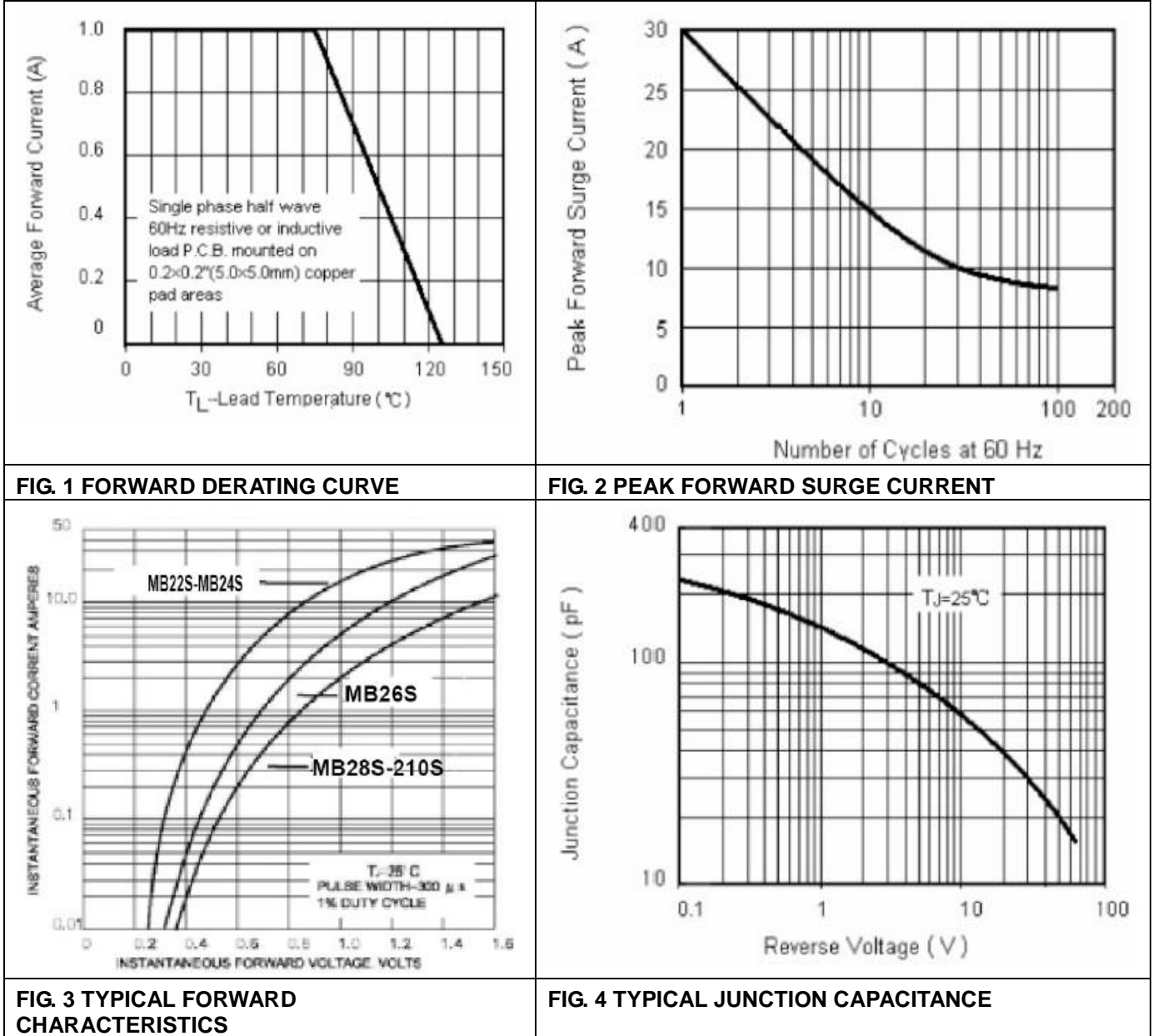
1.Pulse test: Pulse width 300us, duty cycle 1%

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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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