MSKSEMI 美森科













S TSS MOV

T PIF

B320B-13-F(MS) THRU B3A0B-13-F(MS)

Product specification



B320B-13-F(MS) THRU B3A0B-13-F(MS)

Features

- The plastic package carries Underwriters Laboratory
 Flammability Classification 94V-0
- For surface mounted applications
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- Built-in strain relief,ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed:
 250℃/10 seconds at terminals

Mechanical Data

- Case: JEDEC DO-214AA molded plastic body
- Terminals: leads solderable per MIL-STD-750,
- Method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Weight: 0.003 ounce, 0.093 grams

Reference News

Outline	Marking						
	B320B	B330B	B340B	B350B	B360B	B380B	ВЗАОВ
SMB	B320B-13-F(MS)	B330B-13-F(MS)	B340B-13-F(MS)	B350B-13-F(MS)	B360B-13-F(MS)	B380B-13-F(MS)	B3A0B-13-F(MS)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

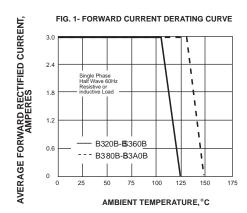
Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

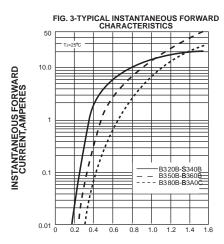
YFW Catalog Number	SYMBOLS	B320B- 13-F(MS)	B330B- 13-F(MS)	B340B- 13-F(MS)	B350B- 13-F(MS)	B360B- 13-F(MS)			UNITS
Maximum repetitive peak reverse voltage		20	30	40	50	60	80	100	VOLTS
Maximum RMS voltage	VRMS	14	21	28	35	42	56	70	VOLTS
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	100	VOLTS
Maximum average forward rectified current at TL(see fig.1)	l(AV)	3.0					Amps		
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	lfsm	100.0				Amps			
Maximum instantaneous forward voltage at 3.0A	VF	V _F 0.55 0.70 0.85			Volts				
Maximum DC reverse current at rated T _A =25℃		l _R 0.5			mA				
DC blocking voltage Ta=100 ℃	IR IR			20			10		111/3
Typical junction capacitance (NOTE 1)	Cı	500 300				pF			
Typical thermal resistance (NOTE 2)	Reja	55.0						°C/W	
Operating junction temperature range	TJ,	-50 to +125 -50 to +150		+150	°C				
Storage temperature range	T _{STG}	-50 to +150				°C			

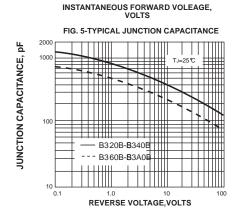
Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

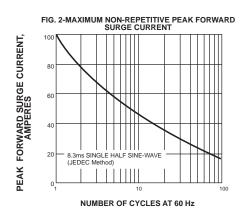


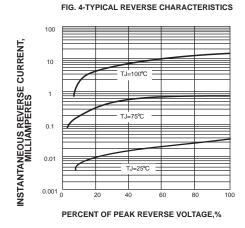
RATINGS AND CHARACTERISTIC CURVES

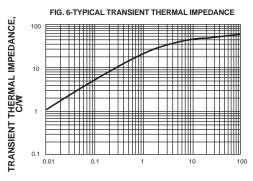






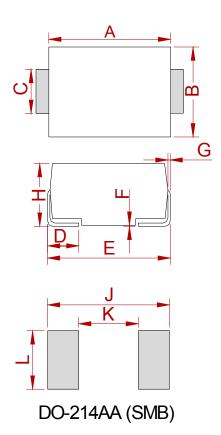






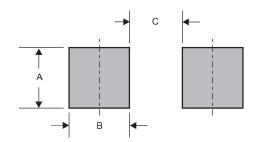


PACKAGE MECHANICAL DATA



	Dimensions						
Ref.	Millir	neters	Inches				
	Min.	Min. Max.		Max.			
Α	4.25	4.75	0.167	0.187			
В	3.30	3.94	0.130	0.155			
С	1.85	2.21	0.073	0.087			
D	0.76	1.52	0.030	0.060			
Е	5.08	5.59	0.200	0.220			
F	0.051	0.203	0.002	0.008			
G	0.15	0.31	0.006	0.012			
Н	2.11	2.44	0.083	0.096			
J	6.80		0.270				
K		2.60		0.100			
L	2.40		0.090				

Suggested solder pad layout



Dimensions in inches and (millimeters)

PACKAGE	А	В	С
SMB	0.078 (2.00)	0.059 (1.50)	0.110 (2.80)

REELSPECIFICATION

P/N	PKG	QTY
B230-13-F(MS) THRU B2200B-13-F(MS)	SMB	2500

B320B-13-F(MS) THRU B3A0B-13-F(MS)

Attention

- Any and all MSKSEMI Semiconductor products described or contained herein do not have specifications that can handle applications that require extremely high levels of reliability, such as life-support systems, aircraft's control systems, or other applications whose failure can be reasonably expected to result in serious physical and/or material damage. Consult with your MSKSEMI Semiconductor representative nearest you before using any MSKSEMI Semiconductor products described or contained herein in such applications.
- MSKSEMI Semiconductor assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all MSKSEMI Semiconductor products described or contained herein.
- Specifications of any and all MSKSEMI Semiconductor products described or contained herein stipulate the performance, characteristics, and functions of the described products in the independent state, and are not guarantees of the performance, characteristics, and functions of the described products as mounted in the customer's products or equipment. To verify symptoms and states that cannot be evaluated in an independent device, the customer should always evaluate and test devices mounted in the customer'sproducts or equipment.
- MSKSEMI Semiconductor. strives to supply high-quality high-reliability products. However, any and all semiconductor products fail with someprobability. It is possiblethat these probabilistic failures could give rise to accidents or events that could endanger human lives, that could give rise to smoke or fire, or that could cause damage to other property. When designing equipment, adopt safety measures so that these kinds of accidents—or events cannot occur. Such measures include but are not limited to protective circuits anderror prevention circuitsfor safedesign, redundant design, and structural design.
- In the event that any or all MSKSEMI Semiconductor products (including technical data, services) described or contained herein are controlled under any of applicable local export control laws and regulations, such products must not be exported without obtaining the export license from theauthorities concerned in accordance with the above law.
- No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or any information storage or retrieval system, or otherwise, without the prior written permission of MSKSEMI Semiconductor.
- Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. MSKSEMI Semiconductor believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.
- Any and all information described or contained herein are subject to change without notice due to product/technology improvement, etc. Whendesigning equipment, referto the "Delivery Specification" for the MSKSEMI Semiconductor productthat you intend to use.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Schottky Diodes & Rectifiers category:

Click to view products by MSKSEMI manufacturer:

Other Similar products are found below:

MA4E2039 MMBD301M3T5G RB160M-50TR D83C BAS16E6433HTMA1 BAS 3010S-02LRH E6327 BAT 54-02LRH E6327

NRVBAF360T3G NSR05F40QNXT5G NTE555 JANS1N6640 SS3003CH-TL-E GA01SHT18 CRS10I30A(TE85L,QM MBRA140TRPBF

MBRB30H30CT-1G BAT 15-04R E6152 JANTX1N5712-1 DMJ3940-000 SB007-03C-TB-E NRVBB20100CTT4G NRVBM120LT1G

NTSB30U100CT-1G CRG04(T5L,TEMQ) ACDBA1100LR-HF ACDBA1200-HF ACDBA240-HF ACDBA3100-HF CDBQC0530L-HF

ACDBA260LR-HF ACDBA1100-HF 10BQ015-M3/5BT NRVBM120ET1G VSSB410S-M3/5BT 1N5819T-G PDS1040Q-13 B160BQ-13-F

SDM05U20CSP-7 BAS 70-07 E6433 B140S1F-7 HSM560Je3/TR13 DDB2265-000 ZHCS506QTA HSM190Je3/TR13 B330AF-13

ACDBUC0230-HF SDM1U100S1F-7 MBR10200CTF-G1 CDLL5712 DMF2822-000