MSKSEMI 美森科













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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.

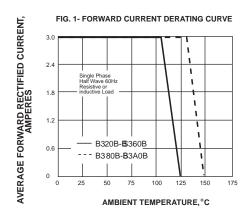
Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

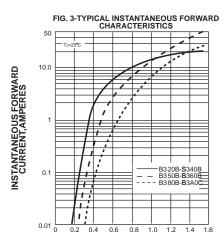
YFW Catalog Number	SYMBOLS	B320B- 13-F(MS)	B330B- 13-F(MS)	B340B- 13-F(MS)	B350B- 13-F(MS)	B360B- 13-F(MS)			UNITS
Maximum repetitive peak reverse voltage		20	30	40	50	60	80	100	VOLTS
Maximum RMS voltage	VRMS	14	21	28	35	42	56	70	VOLTS
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	100	VOLTS
Maximum 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			

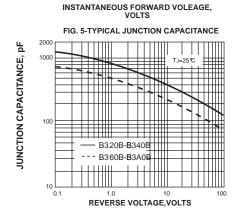
Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

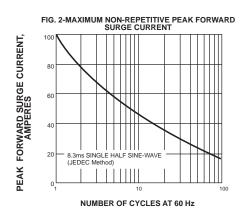


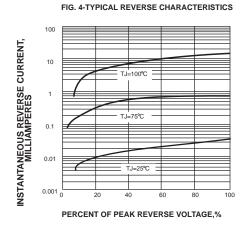
RATINGS AND CHARACTERISTIC CURVES

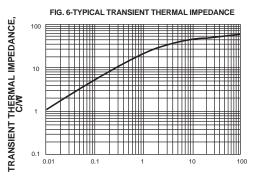






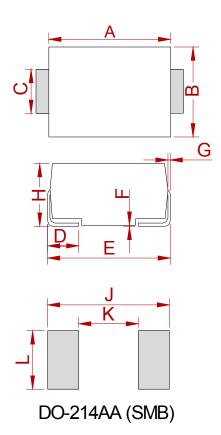






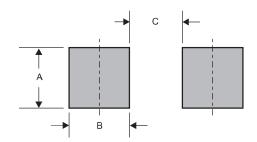


PACKAGE MECHANICAL DATA



	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)

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