

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

Features

- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1 Low forward voltage drop and high current capability
- Glass passivated die construction
- Surge overload rating to 100A peak
- Ideally suited for automatic assembly
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

- Terminals: Solder Plated Terminal Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Operating Junction Temperature:-55°C to +150°C
- Storage Temperature: -55°C to +150°C

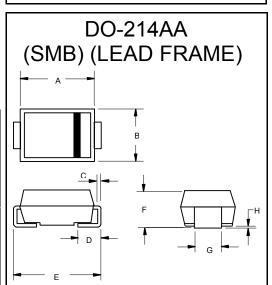
MCC	Device	Maximum	Maximum Maximum	
Catalog	Marking	Recurrent	RMS	DC
Number	_	Peak Reverse Voltage		Blocking
		Voltage	_	Voltage
S3AB	S3AB	50V	35V	50V
S3BB	S3BB	100V	70V	100V
S3DB	S3DB	200V	140V	200V
S3GB	S3GB	400V	280V	400V
S3JB	S3JB	600V	420V	600V
S3KB	S3KB	800V	560V	800V
S3MB	S3MB	1000V	700V	1000V

3.0 Amp Glass **Passivated Rectifier** 50 to 1000 Volts

S3AB

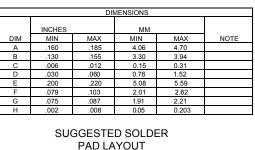
THRU

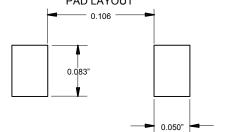
S3MB



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward	l _o	3.0A	T _T = 75 ⁰ C
Current			
Peak Forward Surge	I _{FSM}	100A	8.3ms, half sine
Current			
Maximum			
Instantaneous	V _F	1.15V	I _{FM} = 3.0A;
Forward Voltage			$T_J = 25^{\circ}C$
Maximum DC			
Reverse Current At	I _R	10uA	T _J = 25 ^o C
Rated DC Blocking		250uA	T _J = 125 ^o C
Voltage			
Typical Junction	CJ	40pF	Measured at
Capacitance			1.0MHz, V _R =4.0V
Typical Thermal	RthJL	10°C/W	
Resistance			



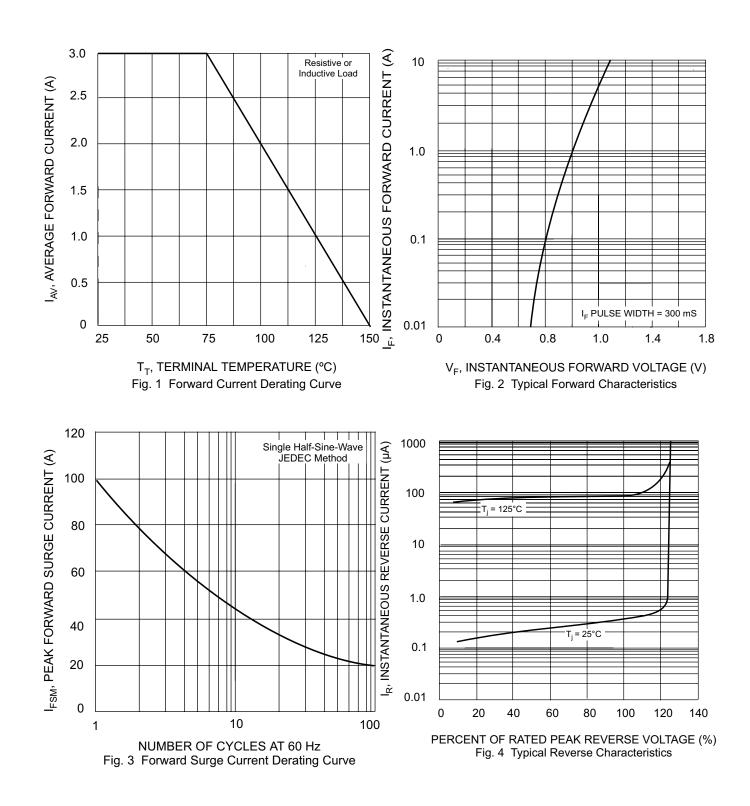


Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

www.mccsemi.com

S3AB thru S3MB





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Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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Authorized Distributor

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Micro Commercial Components (MCC): S3AB-TP S3BB-TP S3DB-TP S3GB-TP S3JB-TP S3KB-TP S3MB-TP