



Micro Commercial Components



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



Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Superfast Recovery Times For High Efficiency
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -50°C to +150°C
- Storage Temperature: -50°C to +150°C

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
FS2A	FS2A	50V	35V	50V
FS2B	FS2B	100V	70V	100V
FS2D	FS2D	200V	140V	200V
FS2G	FS2G	400V	280V	400V
FS2J	FS2J	600V	420V	600V
FS2K	FS2K	800V	560V	800V
FS2M	FS2M	1000V	700V	1000V

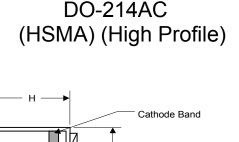
Hectrical Characteristics @25°CUhless Cherwise Specified

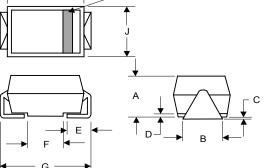
Average Forward Current	I _{F(AV)}	2.0A	T _J =90°C
Peak Forward Surge Current	I _{FSM}	50A	8.3ms half sine
Maximum Instantaneous Forward Voltage	V _F	1.30V	I _{FM} =2.0A T _A =25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0uA	T _J =25°C
Maximum Reverse Recovery Times FS2A-2G FS2J FS2K-2M	t _{rr}	150ns 250ns 500ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A
Typical Junction Capacitance	Cj	50pF	Measured at 1.0MHz, V _R =4.0V

*Pulse test: Pulse width 300 usec, duty cycle 2%.

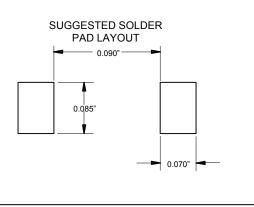
Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

2.0 Amp Fast **Recovery Rectifier** 50 to 1000 Volts





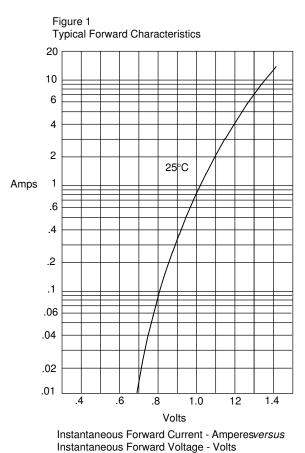
	DIMENSIONS							
	INCHES		ММ					
DIM	MIN	MAX	MIN	MAX	NOTE			
Α	.078	.116	1.98	2.95				
В	.067	.089	1.70	2.25				
С	.002	.008	.05	.20				
D		.02		.51				
E	.035	.055	.89	1.40				
F	.065	.096	1.65	2.45				
G	.205	.224	5.21	5.69				
Н	.160	.180	4.06	4.57				
J	.100	.112	2.57	2.84				

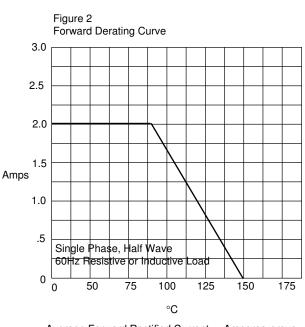


www.mccsemi.com

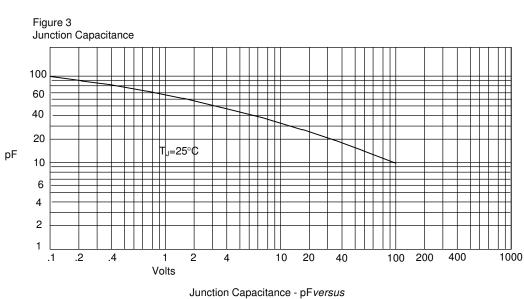


FS2A thru FS2M





Average Forward Rectified Current - Amperes/ersus Ambient Temperature $\ \ \ \circ C$

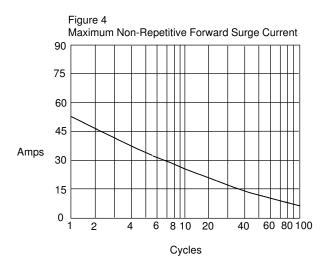


Reverse Voltage - Volts

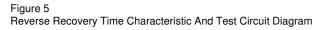
www.mccsemi.com

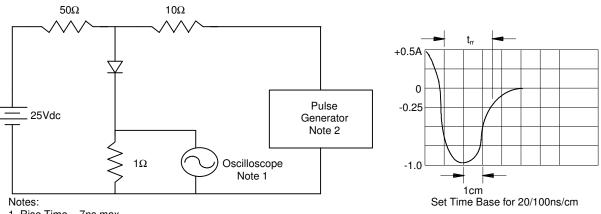


FS2A thru FS2M



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles





1. Rise Time = 7ns max. Input impedance = 1 megohm, 22pF 2. Rise Time = 10ns max. Source impedance = 50 ohms 3. Resistors are non-inductive

-www.mccsemi.com



Ordering Information :

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

*****IMPORTANT NOTICE*****

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. *Micro Commercial Components Corp*. does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp*. and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

www.mccsemi.com