

Micro Commercial Components



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

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Higher Temp Soldering: 260°C for 10 Seconds At Terminals
- Available on Tape and Reel
- Halogen free available upon request by adding suffix "-HF"

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
FR2A-L	FR2A	50V	35V	50V
FR2B-L	FR2B	100V	70V	100V
FR2D-L	FR2D	200V	140V	200V
FR2G-L	FR2G	400V	280V	400V
FR2J-L	FR2J	600V	420V	600V
FR2K-L	FR2K	800V	560V	800V
FR2M-L	FR2M	1000V	700V	1000V

Bectrical Characteristics @ 25°C Unless Otherwise Specified

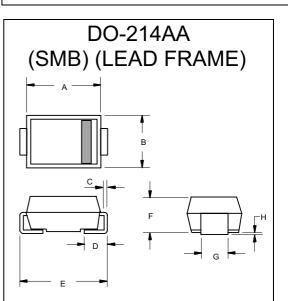
Average Forward Current	I _{F(AV)}	2.0A	T _J =90°C
Peak Forward Surge Current	I _{FSM}	50A	8.3ms half sine
Maximum Instantaneous Forward Voltage	V _F	1.30V	I _{FM} =2.0A T _A =25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0uA	T _J =25°C
Maximum Reverse Recovery Times FR2A-L~FR2G-L FR2J-L FR2K-L~FR2M-L	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

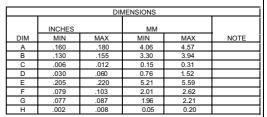
2.0 Amp Fast Recovery Rectifier 50 to 1000 Volts

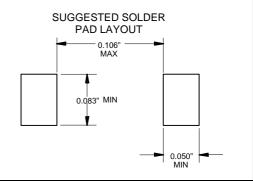
FR2A-L

THRU

FR2M-L





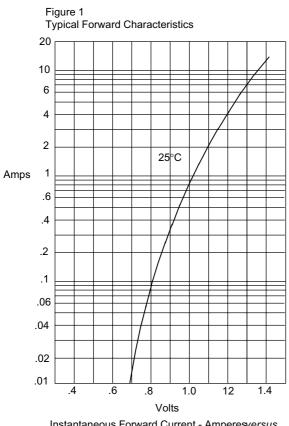


Note:1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7. *Pulse test: Pulse width 300 usec, duty cycle 2%.

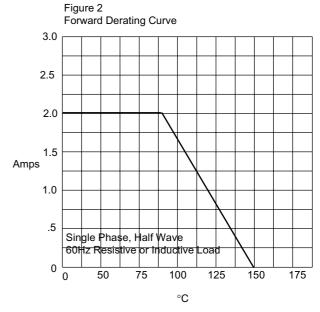
www.mccsemi.com



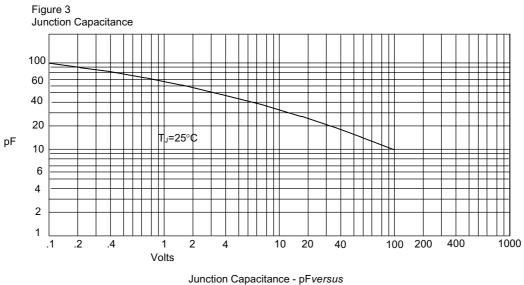
FR2A-L thru FR2M-L



Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts



Average Forward Rectified Current - Amperes/*ersus* Ambient Temperature -°C

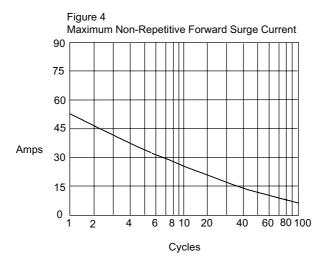


Reverse Voltage - Volts

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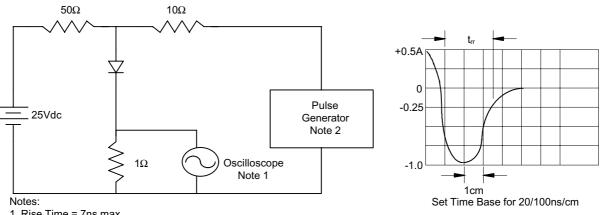


FR2A-L thru FR2M-L



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

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Ordering Information :

Device	Packing	
FR2A-LTP~FR2M-LTP	Tape&Reel: 3Kpcs/Reel	

Note : Adding "-HF" suffix for halogen free, eg. FR2A-LTP-HF~FR2M-LTP-HF

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Revision: C