

Micro Commercial Components



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

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Fast Switching Speed For High Efficiency Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking : Cathode band and type number

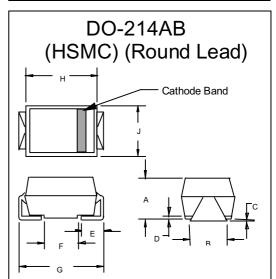
Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
FR6J	600V	420V	600V

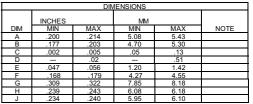
FR6J

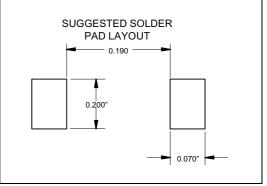
6 Amp Fast **Recovery Rectifier** 600 Volts



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward	I _{F(AV)}	6 A	T _A = 55°C
Current			
Peak Forward Surge	I _{FSM}	300A	8.3ms, half sine
Current			
Maximum			
Instantaneous	V _F	1.30V	I _{FM} = 6.0A;
Forward Voltage			T _A = 25°C*
Maximum DC			
Reverse Current At	I _R	10µA	T _A = 25°C
Rated DC Blocking		50µA	T _A = 55°C
Voltage			
Maximum Reverse			
Recovery Time			l _⊧ =0.5A, l _⊧ =1.0A,
FR6J	Trr	250ns	I _F = 0.25A
11,00	۰rr	200110	ν _{rr} 0.207





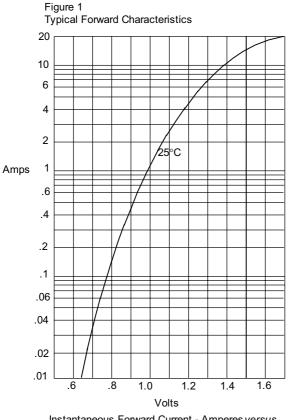
*Pulse Test: Pulse Width 300µsec, Duty Cycle 1%

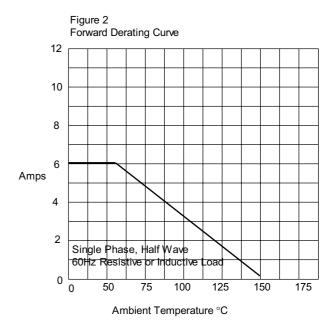
Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

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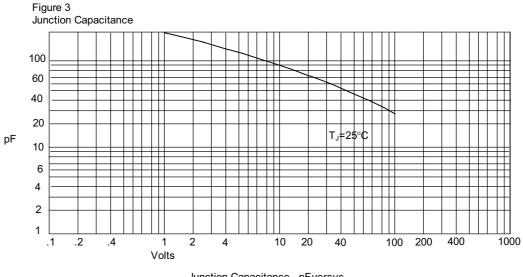


FR6J





Instantaneous Forward Current - Amperes versus Instantaneous Forward Voltage - Volts



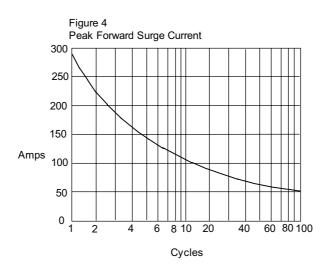
Junction Capacitance - pF*versus* Reverse Voltage - Volts

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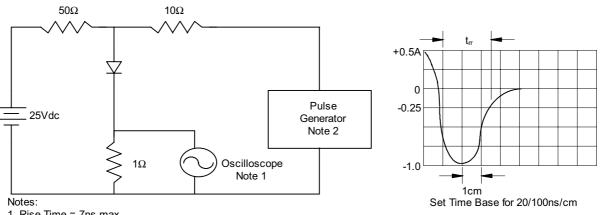


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Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles





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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2011/01/01



Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 1.5Kpcs/Reel	

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