

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(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material:Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Low Forward Voltage Drop
- High Current Capability
- Fast Switching Speed For High Efficiency

Maximum Ratings

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

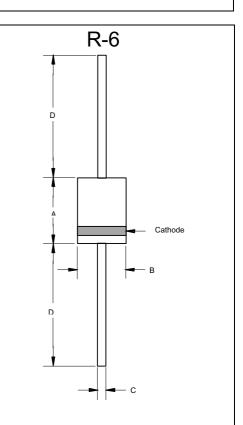
MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Recurrent	RMS	DC
Number	_	Peak Reverse	Voltage	Blocking
		Voltage	-	Voltage
FR601	FR601	50V	35V	50V
FR602	FR602	100V	70V	100V
FR603	FR603	200V	140V	200V
FR604	FR604	400V	280V	400V
FR605	FR605	600V	420V	600V
FR606	FR606	800V	560V	800V
FR607	FR607	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

T _A = 55°C
8.3ms, half sine
I _{FM} = 6.0A; T _A = 25°C
T _A = 25°C T _A = 55°C
I _F =0.5A, I _R =1.0A, I _{rr} =0.25A
Measured at 1.0MHz, V _R =4.0V

FR601 THRU FR607

6 Amp Fast Recovery Rectifier 50 to 1000 Volts

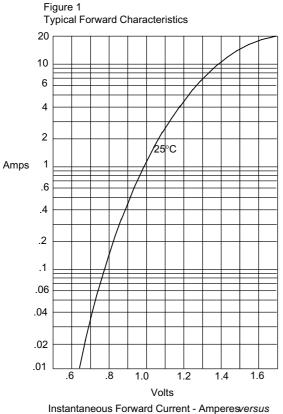


	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
А	.340	.360	8.60	9.10	
В	.340	.360	8.60	9.10	
С	.048	.052	1.20	1.30	
D	1.000		25.40		

*Pulse Test: Pulse Width 300µsec, Duty Cycle 1% Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

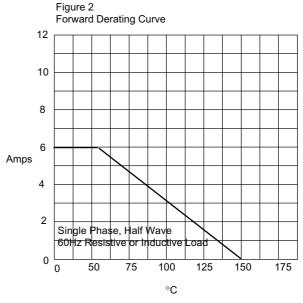
www.mccsemi.com

FR601 thru FR607

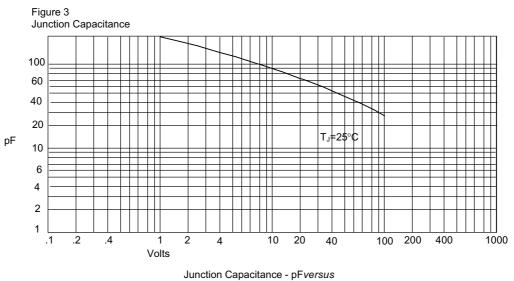


Instantaneous Forward Voltage - Volts





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



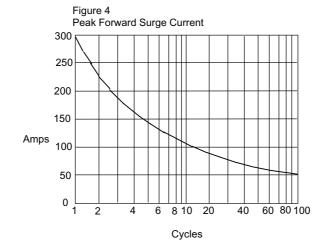
Reverse Voltage - Volts

- www.mccsemi.com

FR601 thru FR607

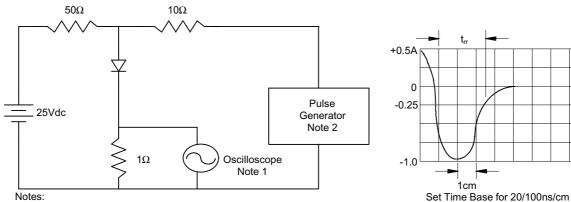


Micro Commercial Components



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&Reel500pcs/Reel
(Part Number)-AP	Ammo Packing;450pcs/AmmoBox
(Part Number)-BP	Bulk;200pcs/Box

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.

*****APPLICATIONS DISCLAIMER*****

Products offer by *Micro Commercial Components Corp* . are not intended for use in Medical,

Aerospace or Military Applications.

www.mccsemi.com