

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)
- Fast Switching Speed
- Surface Mount Applications
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating & Storage Temperature: -65°C to +150°C
- Maximum Thermal Resistance; 30°C/W Junction To Lead

MCC Catalog Number	Device Marking	Maximum Reccurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
DLFR106		800V	560V	800V
DLFR107		1000V	700V	1000V

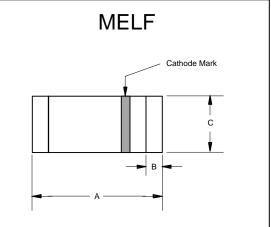
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	1.0A	T _J =55°C
Peak Forward Surge Current	I _{FSM}	30A	8.3ms half sine
Maximum Instantaneous Forward Voltage	V _F	1.3V	I _{FM} =1.0A T _A =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R		T _J =25°C T _J =125℃
Maximum Reverse Recovery Times DLFR106 DLFR107	t _{rr}	250ns 500ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A
Typical Junction Capacitance	Cj	15pF	Measured at 1.0MHz, V _R =4.0V

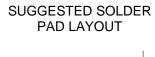
Pulse test: Pulse width 300 usec, duty cycle 1%. Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

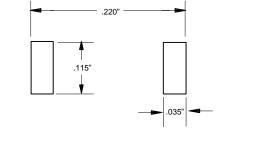
DLFR106 THRU DLFR107

1 Amp Glass Passivated, Fast Recovery Rectifier 800 to 1000 Volts



DIMENSIONS							
	INCHES MM						
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.190	.205	4.80	5.20			
В		.022		.55	Nominal		
С	.095	.105	2.40	2.67	Ø		

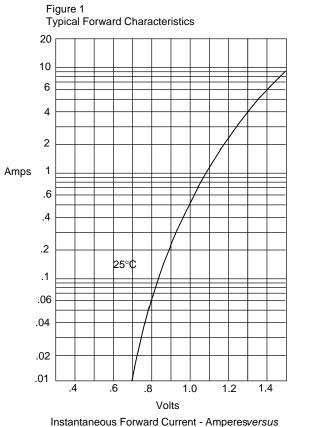




www.mccsemi.com

Revision: A

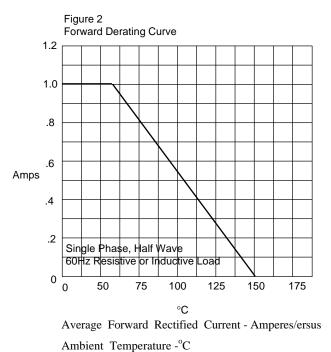
DLFR106 thru DLFR107

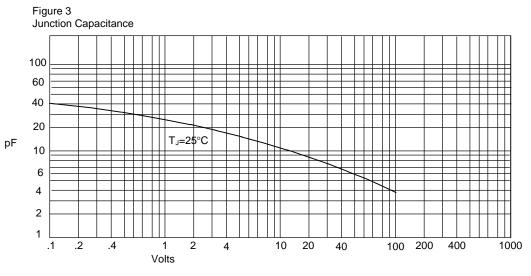


Instantaneous Forward Voltage - Volts



Micro Commercial Components





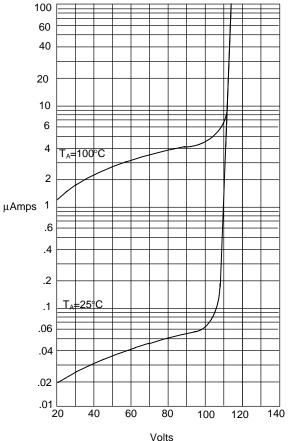
Junction Capacitance - pF*versus* Reverse Voltage - Volts

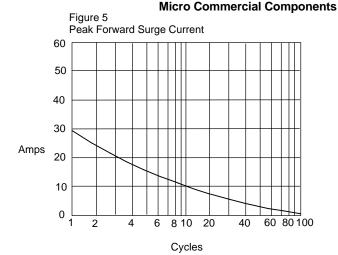
- www.mccsemi.com

DLFR106 thru DLFR107







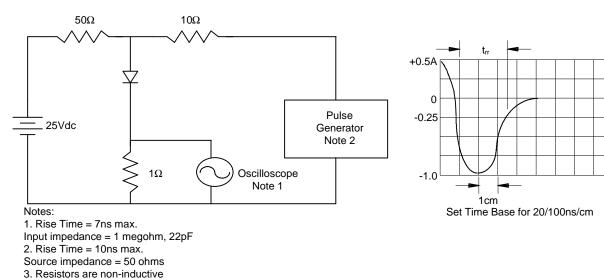


Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles

Instantaneous Reverse Leakage Current - MicroAmperesversus Percent Of Rated Peak Reverse Voltage - Volts

Figure 6

Reverse Recovery Time Characteristic And Test Circuit Diagram



- www.mccsemi.com



Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 5Kpcs/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