

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

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 @ 29°C Unless Otherwise Specified

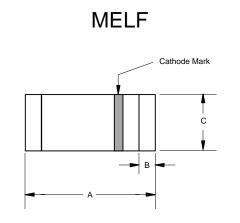
Average Forward Current	I _{F(AV)}	1.0A	T _J =55°C
Peak Forward Surge Current	I _{FSM}	30A	8.3ms half sine
Maximum Instantaneous Forward Voltage	V _F	1.3V	I _{FM} =1.0A T _A =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R		T _J =25°C T _J =125°C
Maximum Reverse Recovery Times DLFR106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

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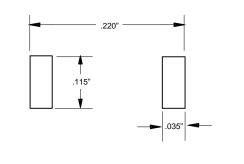
DLFR106 THRU DLFR107

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



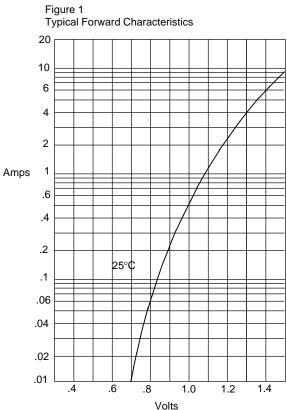
	DIMENSIONS						
		INCHES		ММ			
	DIM	MIN	MAX	MIN	MAX	NOTE	
Г	А	.190	.205	4.80	5.20		
	В		.022		.55	Nominal	
	С	.095	.105	2.40	2.67	Ø	

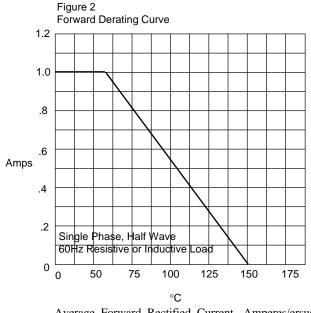
SUGGESTED SOLDER PAD LAYOUT



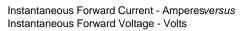
DLFR106 thru DLFR107

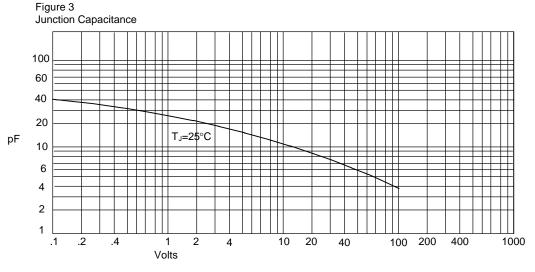






Average Forward Rectified Current - Amperes/ersus Ambient Temperature - °C



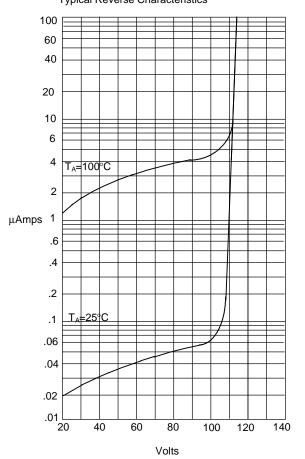


Junction Capacitance - pF*versus* Reverse Voltage - Volts

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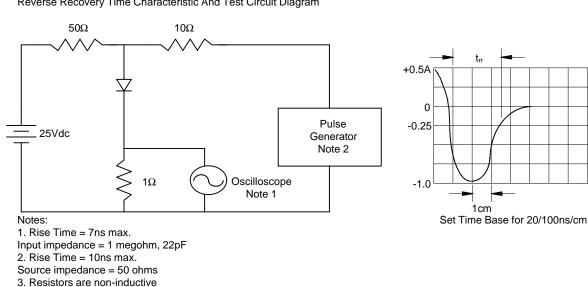
Figure 4 Typical Reverse Characteristics



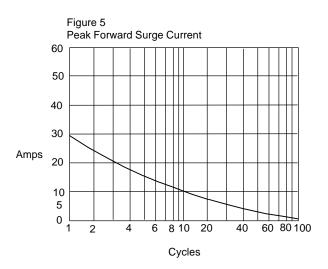
Instantaneous Reverse Leakage Current - MicroAmperesversus Percent Of Rated Peak Reverse Voltage - Volts

Figure 6

Reverse Recovery Time Characteristic And Test Circuit Diagram



DLFR106 thru DLFR107



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

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Ordering Information :

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

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