

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

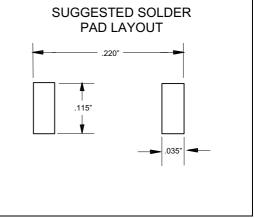
Phone: (818) 701-4933 (818) 701-4939

DL4933 THRU DL4937

1 Amp Glass Passivated, Fast **Recovery Rectifier** 50 to 600 Volts

MELF Cathode Mark

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



Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Low Leakage Current
- Metalurgically Bonded Construction
- **Surface Mount Applications**
- Glass Passivated Junction

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 30 °C/W Junction To Lead

MCC Catalog Number	Device Marking	Maximum Recurrent Peak	Maximum RMS Voltage	Maximum DC Blocking
Number		Reverse Voltage	vollage	Voltage
DL4933		50V	35V	50V
DL4934		100V	70V	100V
DL4935		200V	140V	200V
DL4936		400V	280V	400V
DL4937		600V	420V	600V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	1.0A	T _A =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 _J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μA 100μA	T _J = 25°C T _J = 125°C
Maximum Reverse Recovery Time	T _{rr}	200ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A
Typical Junction Capacitance	С	15pF	Measured at 1.0MHz, V _R =4.0V

^{*}Pulse test: Pulse width 300 µsec, Duty cycle 1%

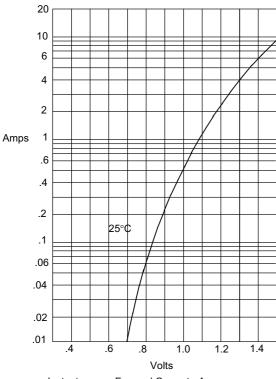
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

DL4933 thru DL4937

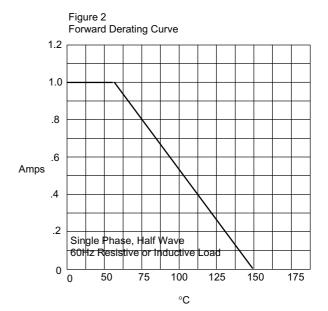


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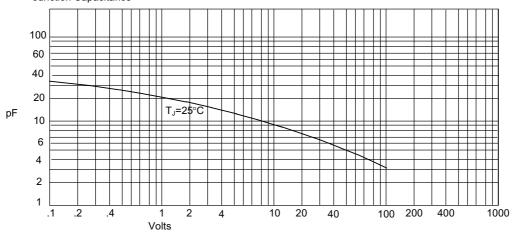


Instantaneous Forward Current - Amperes*versus* Instantaneous Forward Voltage - Volts



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



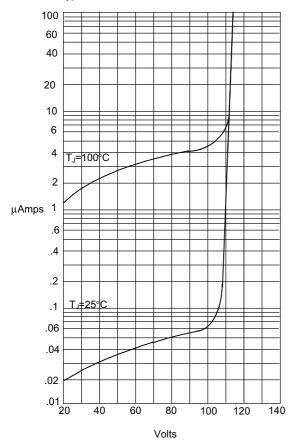


Junction Capacitance - pF*versus* Reverse Voltage - Volts

DL4933 thru DL4937

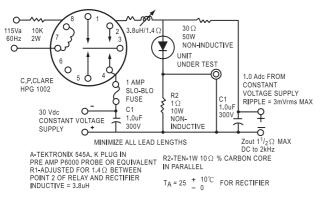


Figure 4 Typical Reverse Characteristics



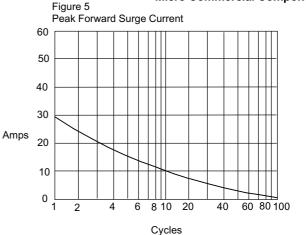
Instantaneous Reverse Leakage Current - MicroAmperesersus Percent Of Rated Peak Reverse Voltage - Volts

Figure 6 Reverse Recovery Time Characteristic And Test Circuit Diagram

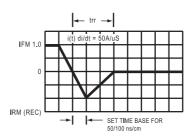




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Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles





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Ordering Information:

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

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