

DL4154

Small Signal Switching Diode

Features

- Fast Switching Speed and Low Current Leakage
- Compression Bond Construction and Low Cost
- Surface Mount Application
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operation & Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 400k/W Junction to Ambient

Electrical Characteristics @25°C Unless Otherwise Specified

Reverse Voltage	V_R	25V	
Peak Reverse Voltage	V_{RM}	35V	
Average Rectified Current	I_O	150mA	Resistive Load $f > 50\text{Hz}$
Power Dissipation	P_{TOT}	500mW	
Junction Temperature	T_J	175°C	
Maximum Instantaneous Forward Volt.	V_F	1.0V	$I_{FM} = 10\text{mA};$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Volt.	I_R	0.1uA	$V_R = 25\text{V}$ $T_J = 25^\circ\text{C}$
Typical Junction Capacitance	C_J	4pF	Measured at 1.0MHz, $V_R = 4.0\text{V}$
Reverse Recovery Time	T_{rr}	2nS	$I_F = 10\text{mA}$ $V_R = 6\text{V}$ $I_R = 1\text{mA}$ $R_L = 100\text{OHMS}$

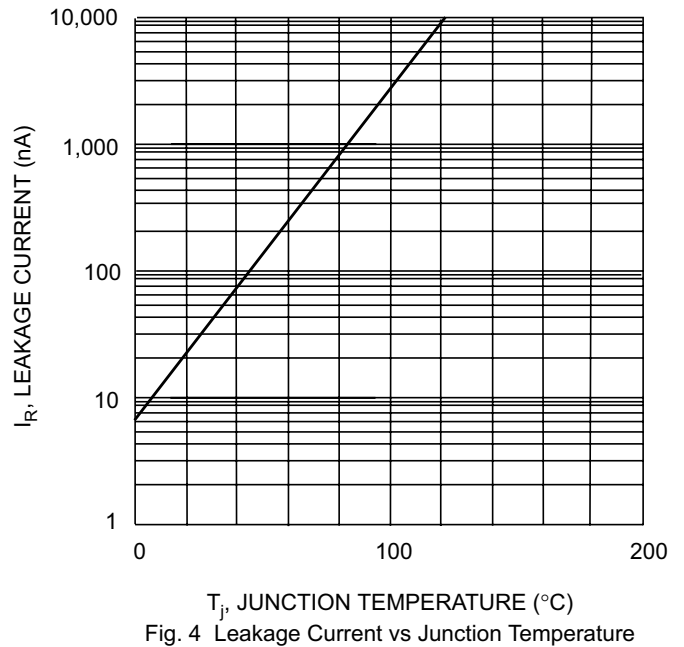
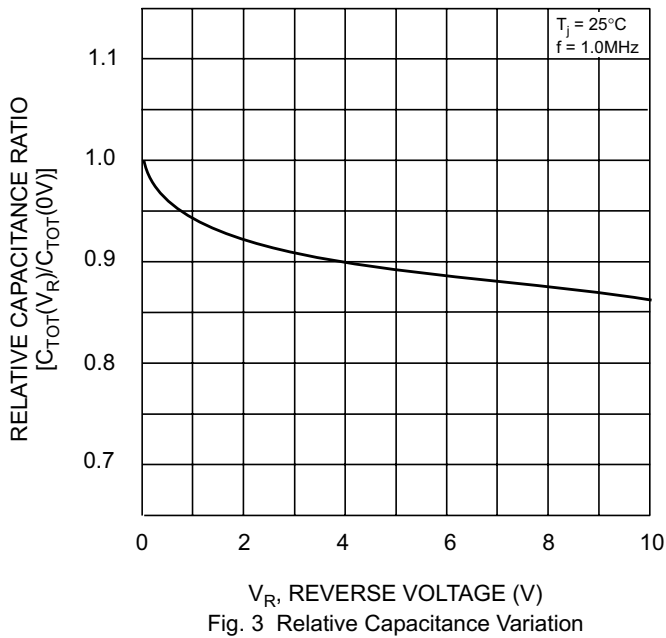
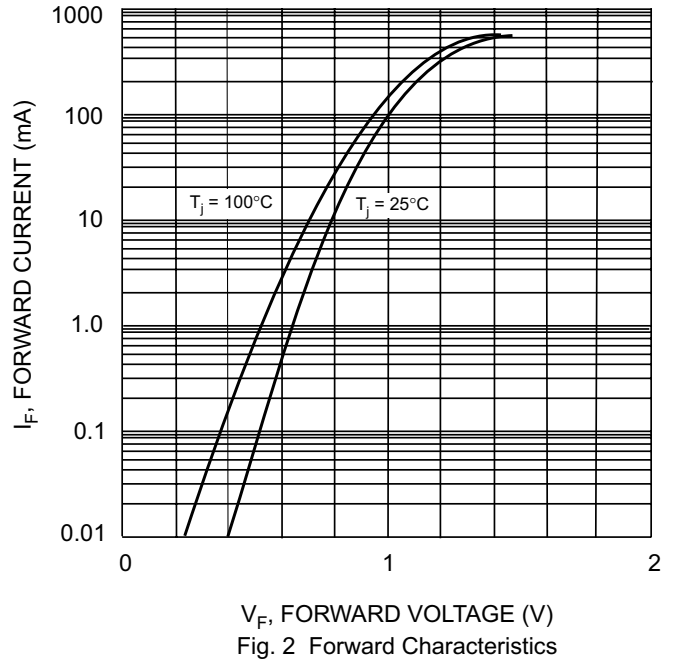
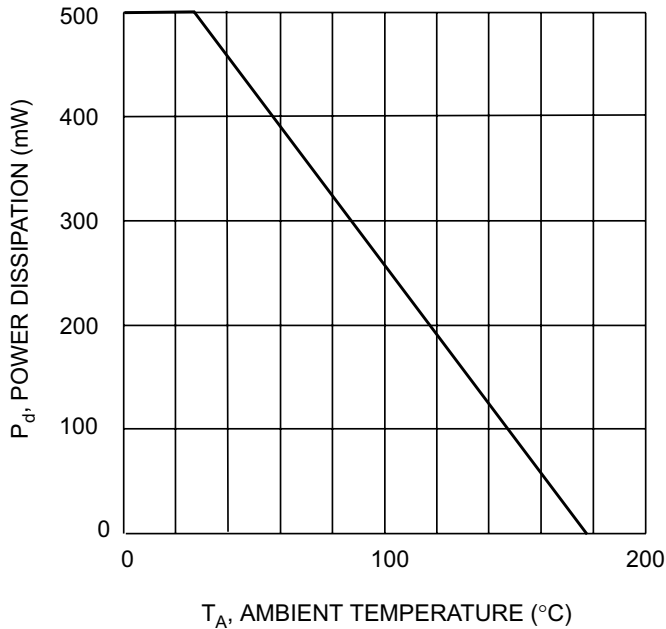
Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

MINIMELF

DIMENSION					NOTE
DIM	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.130	.146	3.30	3.70	
B	.008	.016	.20	.40	
C	.055	.059	1.40	1.50	

SUGGESTED SOLDER PAD LAYOUT

DL4154





TM

Micro Commercial Components

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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