

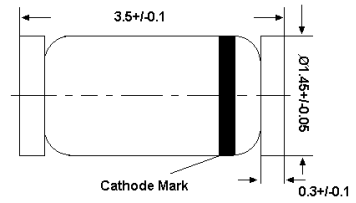
LL4150APF

Silicon Epitaxial Planar Switching Diode

Features

- Lead Free
- Fast switching speed
- High reliability
- High conductance
- For general purpose switching applications

LL-34



Glass case MiniMELF
Dimensions in mm

Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	50	V
Average Rectified Forward Current	$I_{F(AV)}$	300	mA
Forward Continuous Current	I_{FM}	400	mA
Power Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	175	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to +175	$^\circ\text{C}$

Thermal Characteristics

Parameter	Symbol	Max.	Unit
Thermal Resistance Junction to Ambient Air ¹⁾	$R_{\theta JA}$	300	$^\circ\text{C/W}$

¹⁾ Valid provided that electrodes are kept at ambient temperature.

Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 300\text{ mA}$	V_F	1.2	V
Peak Reverse Current at $V_R = 50\text{ V}$	I_R	100	nA
Reverse Recovery Time at $I_F = 10\text{ mA}$, $I_{rr} = 0.1 \times I_R$, $V_R = 6\text{ V}$, $R_L = 100\ \Omega$	t_{rr}	4	ns

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