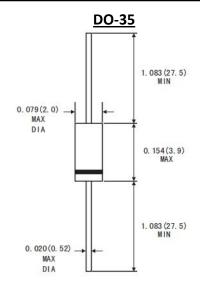


Features

This diode is also available in MiniMELF case with the type designation LL4148

Mechanical Data

- Case:,DO-35
- Polarity: Color band denotes cathode end.
- Through-Hole Device Type Mounting



Dimensions in inches and (millimeters)

Maximum Ratings & Thermal Characteristics (Rating at 25℃ ambient temperature unless otherwise specified.)

Parameter		Symbol	Value	Unit
Peak Reverse Voltage		V_{RM}	100	V
Reverse Voltage		V_R	75	V
Average Rectified Forward Current		I _{F(AV)}	200	mA
Non-repetitive Peak Forward Surge Current	at t = 1 s at t = 1 ms at t = 1 µs	I _{FSM}	0.5 1 4	А
Power Dissipation		P _{tot}	500 ¹⁾	mW
Junction Temperature		Tj	200	°C
Storage Temperature Range		T _{stg}	- 65 to + 200	°C

¹⁾ Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature.

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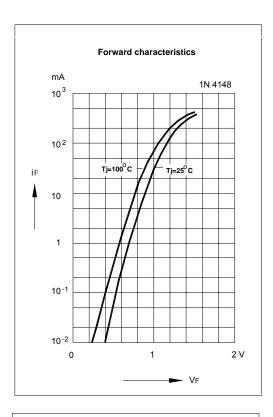
Electrical Characteristics (Ratings at 25°C ambient temperature unless otherwise specified).

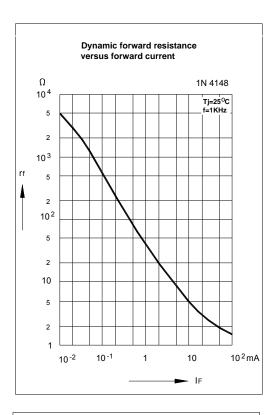
Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I _F = 10 mA	V _F	ı	1	٧
Leakage Current at V_R = 20 V at V_R = 75 V at V_R = 20 V, T_j = 150 °C	I _R I _R	- - -	25 5 50	nA µA µA
Reverse Breakdown Voltage at I_R = 100 μ A at I_R = 5 μ A	V _{(BR)R} V _{(BR)R}	100 75	-	V
Capacitance at $V_R = 0$, $f = 1$ MHz	C _{tot}	-	4	pF
Voltage Rise when Switching ON tested with 50 mA Forward Pulses tp = 0.1 s, Rise Time < 30 ns, fp = 5 to 100 KHz	V _{fr}	-	2.5	V
Reverse Recovery Time at I_F = 10 mA to I_R = 1 mA, V_R = 6 V, R_L = 100 Ω	t _{rr}	-	4	ns
Thermal Resistance Junction to Ambient Air	R _{thA}		0.35 1)	K/mW
Rectification Efficiency at f = 100 MHz, V _{RF} = 2 V	ην	0.45	-	-

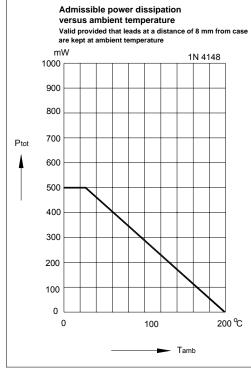
¹⁾ Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature.

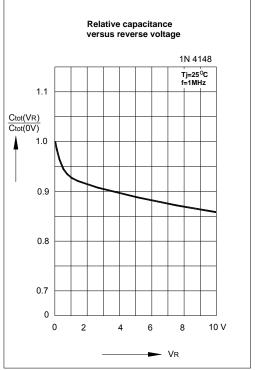
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