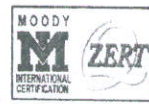


SEMTECH ELECTRONICS LTD.

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ISO/TS 18646 : 2002
Certificate No. 06103

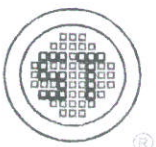
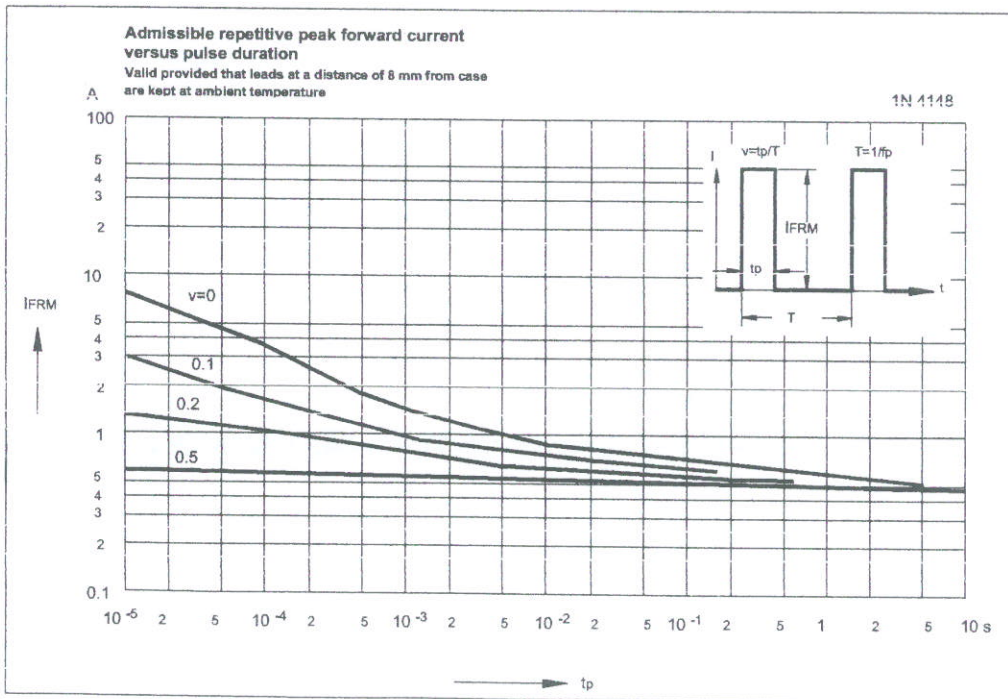
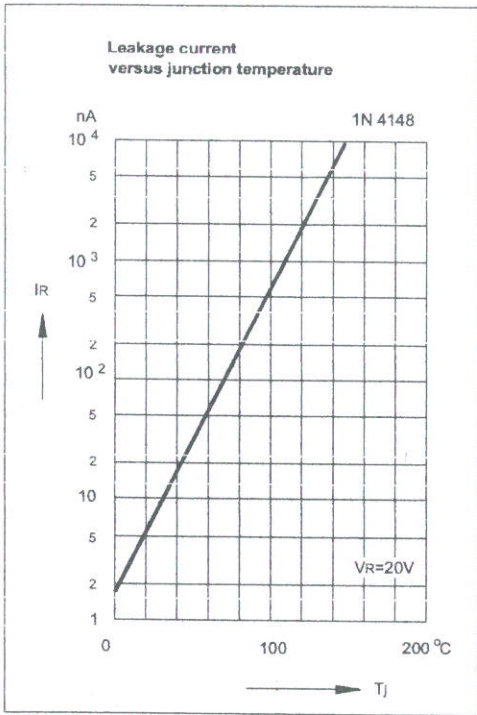


ISO 14001
Certificate No. 7116



ISO 9001 : 2000
Certificate No. 000-000-000-000

1N4148



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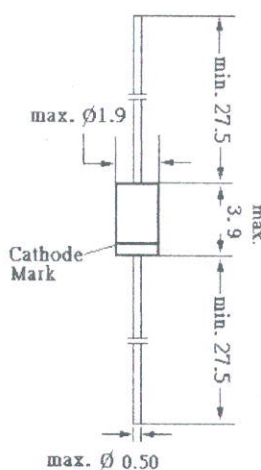
Dated : 22/07/2004

1N4148

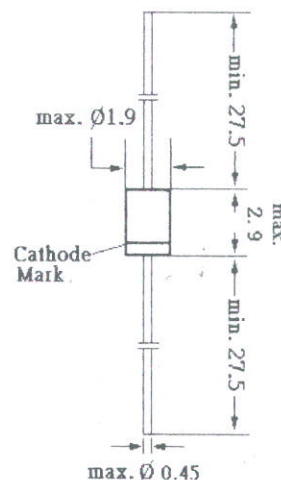
SILICON EPITAXIAL PLANAR DIODE

Fast switching diode

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



Glass case JEDEC DO-35
Dimensions in mm

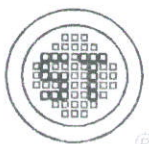


Glass case JEDEC DO-34
Dimensions in mm

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

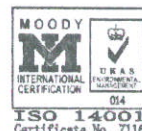
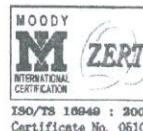
	Symbol	Value	Unit
Reverse Voltage	V_R	75	V
Peak Reverse Voltage	V_{RM}	100	V
Rectified Current (Average) Half Wave Rectification with Resist. Load at $T_{amb} = 25^\circ\text{C}$ and $f/50 \text{ Hz}$	I_O	150 ¹⁾	mA
Surge Forward Current at $t < 1\text{s}$ and $T_j = 25^\circ\text{C}$	I_{FSM}	500	mA
Power Dissipation	P_{tot}	500 ¹⁾	mW
Junction Temperature	T_j	200	$^\circ\text{C}$
Storage Temperature Range	T_s	-65 to +200	$^\circ\text{C}$

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



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Dated : 22/07/2004