



1N4150W

SURFACE MOUNT SWITCHING DIODES

VOLTAGE	50 Volts	POWER	410 mWatts
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MECHANICAL DATA

- Case: SOD-123 plastic case.
- Terminals : Solderable per MIL-STD-750,Method 2026
- Standard packaging: 8mm tape
- Weight: approximately

ABSOLUTE RATINGS (T_J=25°C)

PARAMETER	SYMBOL	1N4150W	UNITS
Maximum Reverse Voltage	V _R	50	V
Peak Reverse Voltage	V _{RRM}	50	V
Maximum Average Forward Current	I _{F(AV)}	0.2	A
Non-repetitive Peak Forward Surge Current at t=1.0s	I _{FSM}	0.5	A

THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	1N4150W	UNITS
Power Dissipation (Note 1)	P _{TOT}	410	mW
Thermal Resistance, Junction to Ambient (Note 1)	R _{ΘJA}	305	°C/W
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to 150	°C

NOTE:

1. FR-4 Board = 70 x 60 x 1mm.