

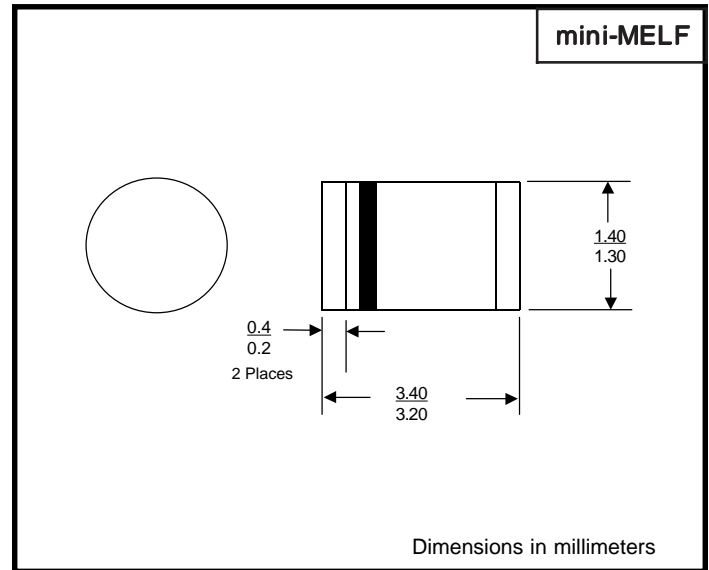
## 1N4150 mini-MELF SIGNAL DIODE Pb Free Product

### Absolute Maximum Ratings (Ta=25°C)

Items	Symbol	Ratings	Unit
Reverse Voltage	VR	50	V
Reverse Recovery Time	trr	4	ns
Power Dissipation	P <sub>tot</sub>	500	mW
Forward Current	IF	200	mA
Junction Temp.	Tj	-65 to 200	°C
Storage Temp.	Tstg	-65 to 200	°C

### Mechanical Data

Items	Materials
Package	Mini MELF
Case	Hermetically sealed glass
Lead/Finish	Double stud/Solder Plating
Chip	Glass Passivated



### Electrical Characteristics (Ta=25°C)

Ratings	Symbol	Ratings	Unit
Minimum Breakdown Voltage @IR= 100uA	BV	75	V
Peak Forward Surge Current PW< 1sec.	IFsurge	500	mA
Maximum Forward Voltage IF= 200mA	VF	1.0	V
Maximum Reverse Current VR= 50V	IR	100	nA
Maximum Junction Capacitance VR= 0, f= 1 MHz	Cj	4	pF
Maximum Reverse Recovery Time IF= 10mA, VR= 6V, IRR= 1mA, RL= 100Ω	trr	4	ns
Maximum Thermal Resistance	R <sub>θJA</sub>	0.35	°C/mW