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## **1N483B** Small Signal Diode



DO-35 Color Band Denotes Cathode

## Absolute Maximum Ratings \* T<sub>a</sub> = 25°C unless otherwise noted

Symbol	Parameter	Value	Unit
V <sub>RRM</sub>	Maximum Repetitive Reverse Voltage	80	V
I <sub>F(AV)</sub>	Average Rectified Forward Current	200	mA
I <sub>FSM</sub>	Non-repetitive Peak Forward Surge Current Pulse Width = 1.0 second Pulse Width = 1.0 microsecond	1.0 4.0	AA
T <sub>STG</sub>	Storage Temperature Range	-65 to +200	°C
TJ	Operating Junction Temperature	175	°C

\* These ratings are limiting values above which the serviceability of the diode may be impaired.

NOTES:

1) These ratings are based on a maximum junction temperature of 200 degrees C.

2) These are steady limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

### **Thermal Characteristics**

Symbol	Parameter	Value	Unit	
PD	Power Dissipation	500	mW	
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction to Ambient	300	°C/W	

Electrical Characteristics T<sub>c</sub> = 25°C unless otherwise noted

Symbol	Parameter	Conditions	Min.	Max	Units
V <sub>R</sub>	Breakdown Voltage	I <sub>R</sub> = 100μA	80		V
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> = 100mA		1.0	V
I <sub>R</sub>	Reverse Leakage	V <sub>R</sub> = 60V V <sub>R</sub> = 60V, T <sub>A</sub> = 150°C		25 5	nA μA

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Rev. 115

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