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Small Signal Diode

1N5282

ABSOLUTE MAXIMUM RATINGS ($T_A = 25^{\circ}C$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RRM}	Maximum Repetitive Reverse Voltage	80	V
I _{F(AV)}	Average Rectified Forward Current	200	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current Pulse Width = 1.0 s Pulse Width = 1.0 μs	1.0 4.0	A A
T _{STG}	Storage Temperature Range	-65 to +200	°C
TJ	Operating Junction Temperature	175	°C

					Ϊ	V
V _F	Forward Voltage	$I_F = 0.1 \text{ mA} \\ I_F = 1.0 \text{ mA} \\ I_F = 10 \text{ mA} \\ I_F = 100 \text{ mA} \\ I_F = 300 \text{ mA} \\ I_F = 500 \text{ mA} \\ I_F = 500 \text{ mA}$	0.45 0.55 0.67 0.80 0.92 1.05	1 1 1 1 1	0.49 0.60 0.725 0.90 1.1 1.3	V
I _R	Reverse Current	V _R = 55 V V _R = 55 V, T _A = 150°C	-	-	100 100	nA

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