



Micro Commercial Components
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1N270

Features

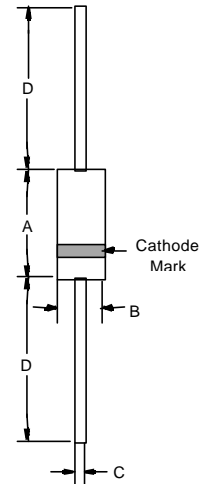
- Low Leakage Current
- Flat Junction Capacitance
- High Mechanical Strength

Germanium Diode 100 Volt

Maximum Ratings

- Operating Temperature: -65°C to +90°C
- Storage Temperature: -65°C to +90°C

DO-7



Electrical Characteristics @ 25°C Unless Otherwise Specified

Peak Inverse Voltage	PIV	100V	
Average Rectified Current	I_o	40mA	
Peak Operating Current	I_{OS}	325mA	
Peak Forward Surge Current	I_{FSM}	500mA	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.00V	$I_{FM} = 150mA;$ $T_J = 25^\circ C^*$
Maximum Reverse Current	I_R	100 μ A	$V_R = 50Volts$ $T_J = 25^\circ C$
Typical Junction Capacitance	C_J	0.8pF	Measured at 1.0MHz, $V_R = 1.0V$

*Pulse test: Pulse width 300 μ sec, Duty cycle 2%

DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	----	.300	----	7.62	
B	----	.107	----	2.72	\emptyset
C	.018	.022	0.46	0.56	\emptyset
D	1.000	----	25.40	----	