



Micro Commercial Components



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1N4150

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Low Current Leakage
- Compression Bond Construction
- Low Cost
- Marking : Cathode band and type number
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 300°C/W Junction To Ambient

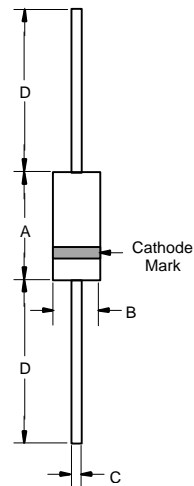
Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage	V_R	50V	
Breakdown Voltage	B_V	75V	$I_R=5.0 \mu A$
Average Rectified Current	I_O	200mA	
Power Dissipation	P_{TOT}	500mW	
Peak Forward Surge Current	I_{FSM}	1.0A 4.0A	Pulse Width=1.0S Pulse Width=1.0μS
Maximum Instantaneous Forward Voltage	V_F	1.0V	$I_{FM} = 100mA;$ $T_J = 25°C^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	100nA 100μA	$V_R=50Volts$ $T_J = 25°C$ $T_J = 150°C$
Maximum Junction Capacitance	C_J	2.5pF	Measured at 1.0MHz, $V_R=0$
Maximum Reverse Recovery Time	T_{rr}	4.0nS	$I_F=10mA$ $V_R=6.0V$ $R_L=100\Omega$

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 7(C)-I.

500mW 75 Volt Silicon Epitaxial Diode

DO-35



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	

Electrical characteristic curves

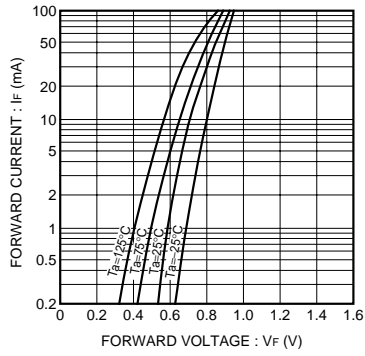


Fig. 1 Forward characteristics

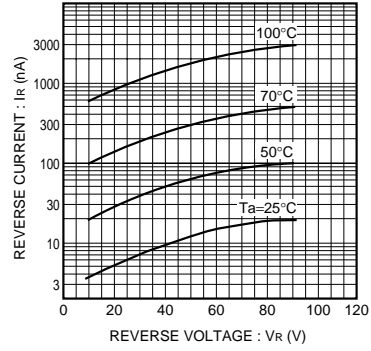


Fig. 2 Reverse characteristics



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/AmmoBox
Part Number-BP	Bulk: 100Kpcs/Carton

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