

Micro Commercial Components

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1N4148WX

Features

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- Molded Plastic. UL Flammability Classification Rating 94V-0

Mechanical Data

- Marking : T4
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: Indicated by Cathode Band
- Weight: 0.008 grams (approx.)
- Moisture Sensitivity: Level 1 per J-STD-020C

Maximum Ratings @ 25°C Unless Otherwise Specified

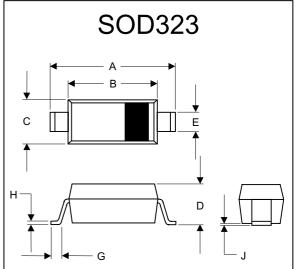
Reverse Voltage	V _R	100	V
Peak Reverse Voltage	V_{RM}	75	V
Average Rectified Current	I _{F(AV)}	300 ⁽¹⁾	mA
Peak Forward Surge Current t<1S	I _{FSM}	2.0	А
Power Dissipation	PD	500	mW
Thermal Resistance	R _{JA}	315	K/W
Operation/Storage Temp. Range	T _j , T _{STG}	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

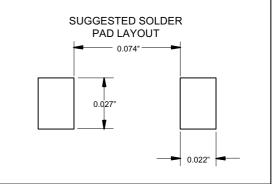
Maximum Instantaneous Forward Voltage	V _F	1.0V	$I_{FM} = 50mA;$ $T_J = 25^{\circ}C^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	25nA 50μA 5.0uA	$V_{R}=20$ Volts $T_{J} = 25^{\circ}C$ $T_{J} = 150^{\circ}C$ $V_{R}=75V, T_{J}=25^{\circ}C$
Typical Junction Capacitance	CJ	4pF	V _F =V _R =0V
Maximum Reverse Recovery Time	Trr	4nS	$I_{F}=50mA$ $I_{rr} = 0.1I_{R}$ $R_{L}=100\Omega$

* Valid provided that terminals are kept at ambient temperature

High Speed Switching Diode 500mW



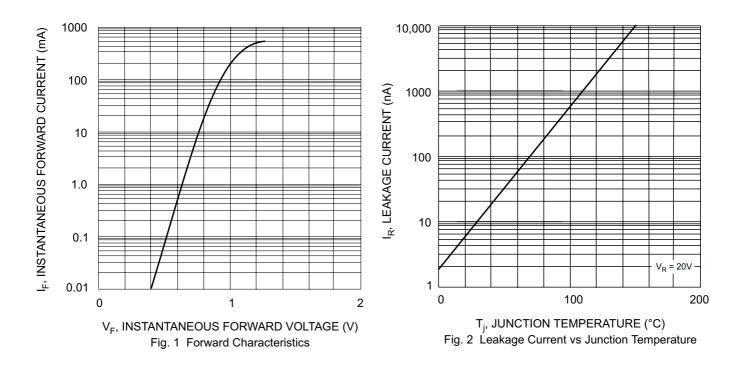
DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
Α	.090	.107	2.30	2.70			
В	.063	.071	1.60	1.80			
С	.045	.053	1.15	1.35			
D	.031	.045	0.80	1.15			
Е	.010	.016	0.25	0.40			
G	.004	.018	0.10	0.45			
Н	.004	.010	0.10	0.25			
J		.006		0.15			



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