

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- Fast Switching Speed

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
- Epoxy meets UL 94 V-0 flammability rating Moisture Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Specified

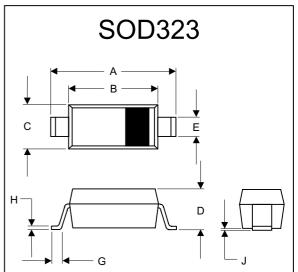
Peak Reverse Voltage	V _{RM}	100	V
Reverse Voltage	V _R	75	V
Average Rectified Output Current	lo	150	mA
Peak Forward Surge Current t=1us	I _{FSM}	2.0	Α
Power Dissipation	PD	200	mW
Thermal Resistance	R_{JA}	625	K/W
Operation/Storage Temp. Range	T _j , T _{STG}	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

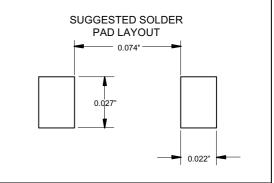
Maximum Instantaneous Forward Voltage	V_{F}	1.0V	I _F = 50mA; T _J = 25°C (Note 1)
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	25nA 50μA 5.0uA	$V_{R}=20$ Volts $T_{J} = 25^{\circ}C$ $T_{J} = 150^{\circ}C$ $V_{R}=75V, T_{J}=25^{\circ}C$
Typical Junction Capacitance	CJ	4pF	V _F =V _R =0V
Maximum Reverse Recovery Time	T _{rr}	4nS	$I_F=50mA$ $I_{rr}=0.1I_R$ $R_L=100\Omega$

1N4148WX

High Speed Switching Diode 200mW



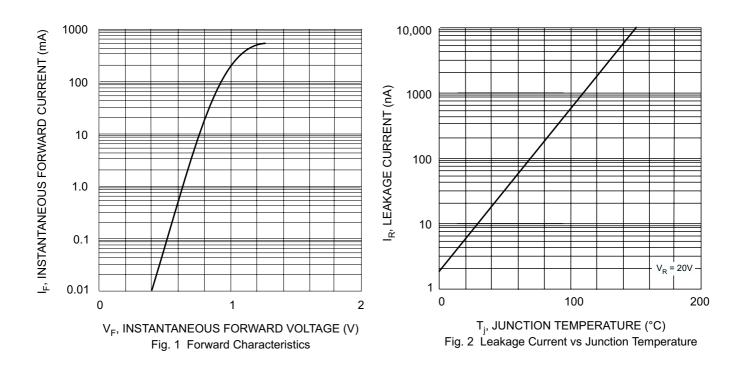
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
Α	.090	.107	2.30	2.70	
В	.063	.071	1.60	1.80	
С	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
Е	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
Н	.004	.010	0.10	0.25	
J		.006		0.15	



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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