



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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1N4148W

Features

- Fast switching speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For general purpose switching applications
- High conductance
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)

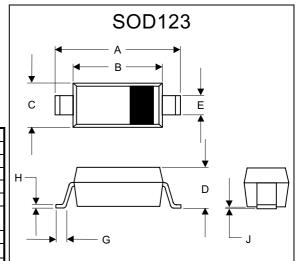
High Speed Switching Diode 400mW

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: Indicated by Cathode Band
- Weight: 0.01 grams (approx.)
- Marking Code: T4,A2

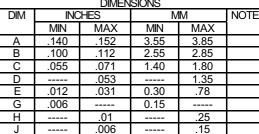
Symbol

Absolute maximum Ratings

Symbol	Parameter	Rating	Unit	
V_{RM}	Peak Repetitive Reverse Voltage	100	V	
V_R	DC Reverse Blocking Voltage 100 V			
VR(_{RMS)}	RMS Reverse Voltage	71 V		
I _{FM}	Peak Forward Current	300	mA	
Io	Average Rectified Output Current	150	mA	
I _{FSM}	Forward Surge Current @1us	2	Α	
	@1s	1	A	
P_D	Power Dissipation	400	mW	
R _{⊕ja}	Thermal Resistance Junction to Ambient	312.5	°C/W	
T _J	Operating Junction Temperature	-65 to +150	°C	
T _{STG}	Storage Temperature	-65 to +150	°C	



DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
Α	.140	.152	3.55	3.85			
В	.100	.112	2.55	2.85			
С	.055	.071	1.40	1.80			
D		.053		1.35			
Е	.012	.031	0.30	.78			
G	.006		0.15				
Н		.01		.25			
J		.006		.15			



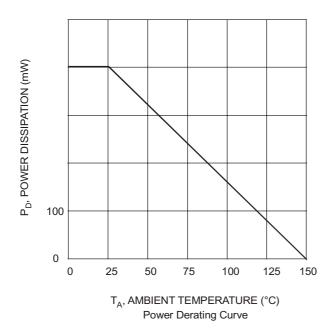
OFF CHARACTERISTICS Forward Voltage Drop (I_F=1mAdc) 0.715 $(I_F=10mAdc)$ 0.855 Vdc V_{F} $(I_F=50mAdc)$ ---1.00 (I_F=150mAdc) 1.25 I_R Reverse Current 1.0 (V_R=75Vdc,T=25°C) uAdc 0.025 (V_R=20Vdc,T=25°C) 50 (V_R=75Vdc,T=150°C)

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter

Min







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Ordering Information:

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

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