

Micro Commercial Components



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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)

Mechanical Nata

- 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

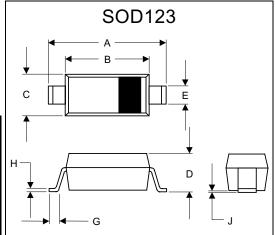
Absolute maximum Ratings

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
Ιο	Average Rectified Output Current	150	mA
I _{FSM}	Forward Surge Current @1us @1s	2 1	А
P_D	Power Dissipation	400	mW
R₀ja	Thermal Resistance Junction to Ambient	312.5	°C/W
TJ	Operating Junction Temperature	-65 to +150	°C
T _{STG}	Storage Temperature	-65 to +150	°C

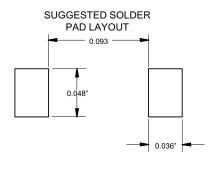
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units		
OFF CHARACTERISTICS						
V _F	Forward Voltage Drop (I=1mAdc) (I=10mAdc) (I=50mAdc) (I=50mAdc)	 	0.715 0.855 1.00 1.25	Vdc		
I _R	Reverse Current $(V_R=75Vdc,T=25^{\circ}C)$ $(V_R=20Vdc,T=25^{\circ}C)$ $(V_R=75Vdc,T=150^{\circ}C)$	 	1.0 0.025 50	uAdc		
Ст	Total Capacitance (V _R =0Vdc, f=1.0MHz)		2.0	pF		
Trr	Reverse Recovery Time (Irr=0.1*I _R , I _F =I _R 10mAdc, R _L =100 Ω)		4.0	ns		

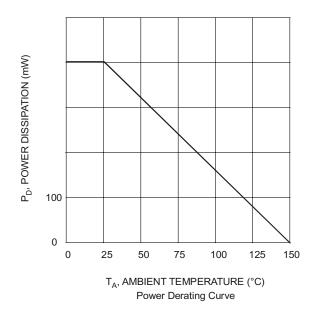
High Speed Switching Diode 400mW



NOTE
NOTE









Ordering Information:

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

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