

Micro Commercial Components



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1N4148W

Features

- Halogen free available upon request by adding suffix "-HF"
- 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)

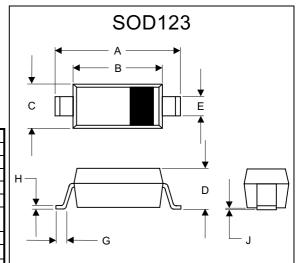
High Speed Switching Diode 400mW

Mechanical Data

- 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

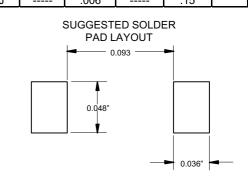
Symbol	Parameter	Rating	Unit	
V_{RM}	Peak Repetitive Reverse Voltage	100 V		
V_R	DC Reverse Blocking Voltage	100	V	
VR(_{RMS)}	RMS Reverse Voltage	71	V	
I _{FM}	Peak Forward Current	300	mA	
Io	Average Rectified Output Current	150	mA	
	Forward Surge Current @1us	2	Α	
I _{FSM}	@1s	1	A	
P_D	Power Dissipation	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	.026	0.30	.66		
G	.006		0.15			
Н		.01		.25		
		006		15		

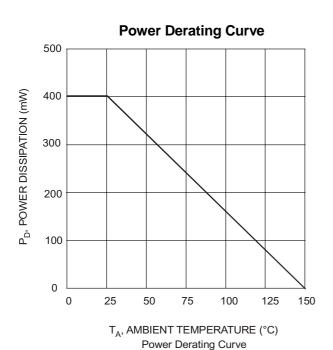


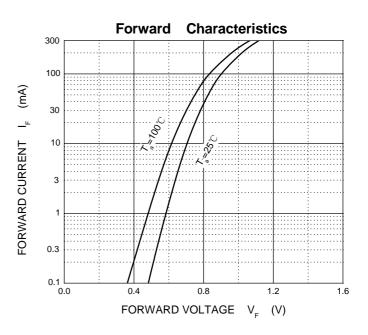
Symbol	Parameter	Min	Max	Units		
OFF CHARACTERISTICS						
V _F	Forward Voltage Drop (I _F =1mAdc) (I _F =10mAdc) (I _F =50mAdc) (I _F =150mAdc)	 	0.715 0.855 1.00 1.25	Vdc		
I _R	Reverse Current $(V_R=75Vdc,T=25^{\circ}C)$ $(V_R=20Vdc,T=25^{\circ}C)$ $(V_R=75Vdc,T=150^{\circ}C)$		1.0 0.025 50	uAdc		
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		

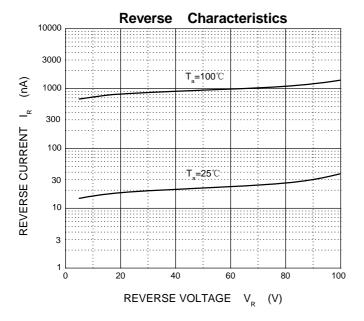


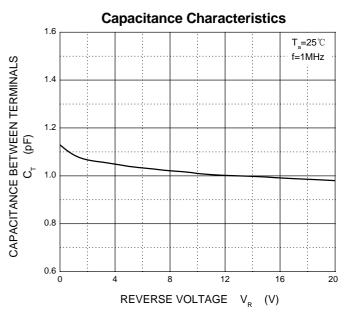














Ordering Information:

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

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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Revision: D 3 of 3 2016/11/07

单击下面可查看定价,库存,交付和生命周期等信息

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