

Micro Commercial Components



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

Features

- Low Leakage Current
- Surface Mount SOT-23 Package
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking Code : F3
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

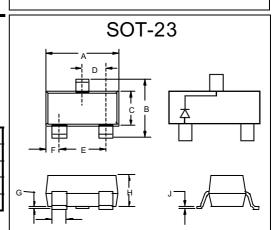
Reverse Voltage	V _R	80V
Forward Current	I _F	100mA
Power Dissipation @ T _A =25 ^o C	PD	150mW
Storage Temperature Range	T _{stg}	-55°C to +150°C
Junction Temperature	Ti	150 ⁰ C

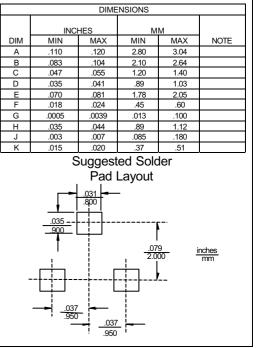
Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage	V _R	80V	
Minimum Reverse Breakdown Voltage	$V_{(BR)}$	80V	I _R =100μΑ T _A = 25 ^o C
Maximum Forward Voltage	V _F	1.2V	T _A = 25 ^o C I _F = 100mA;
Maximum Reverse Voltage Leakage Current	I _R	0.5µA	V_R =80Volts $T_A = 25^{\circ}C$
Maximum Diode Capacitance	C _D	3.0pF	Measured at f=1.0MHz, V _R =0
Maximum Reverse Recovery Time	t _{rr}	4.0ns	

150mW Switching Diodes

1SS193





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1SS193



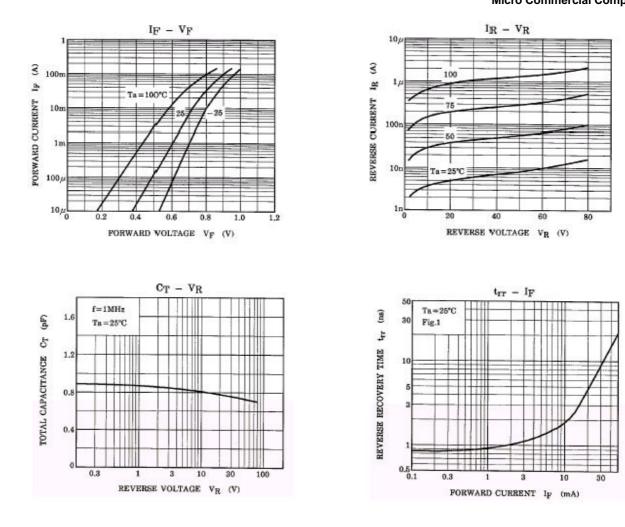
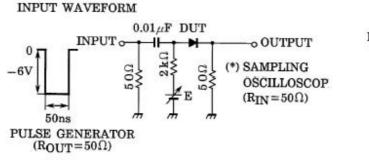
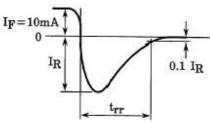


Fig.1 Reverse recovery time (trr) test circuit



OUTPUT WAVEFORM



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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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