

Features

- Low Leakage Current
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 833°C/W Junction to Ambient

MCC Part Number	Device Marking		
1SS196	G3		

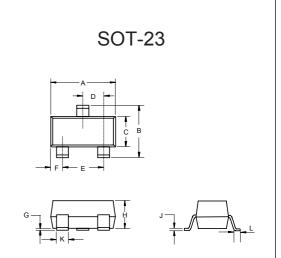
Parameter	Symbol	Value
Reverse Voltage	V _R	80V
Average Forward Current	I _{F(AV)}	100mA
Power Dissipation	P _D	150mW

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Internal Structure

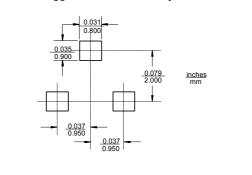






	DIMENSIONS				
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
Α	0.110	0.120	2.80	3.04	
В	0.083	0.104	2.10	2.64	
С	0.047	0.055	1.20	1.40	
D	0.034	0.041	0.85	1.05	
E	0.067	0.083	1.70	2.10	
F	0.018	0.024	0.45	0.60	
G	0.0004	0.006	0.01	0.15	
Н	0.035	0.043	0.90	1.10	
J	0.003	0.007	0.08	0.18	
K	0.014	0.020	0.35	0.51	
L	0.007	0.020	0.20	0.50	

Suggested Solder Pad Layout



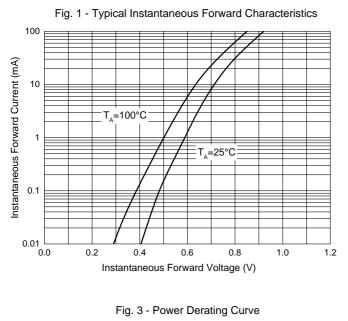


Electrical Characteristics @ 25°C (Unless Otherwise Specified)

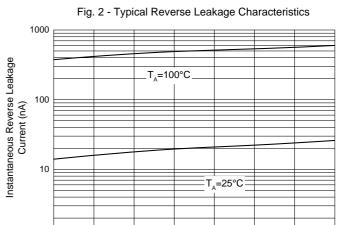
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Breakdown Voltage	V _{BR}	Ι _R =100μΑ	80			V
Forward Voltage	V _F	I _F =100mA			1.2	V
Reverse Current	I _R	V _R =80V			0.5	μA
Junction Capacitance	CJ	$V_R = 0V, f = 1MHz$			3	pF
Reverse Recovery Time	t _{rr}	$I_F=I_R=10$ mA, $I_{rr}=0.1 \times I_R, R_L=100\Omega$			4	ns



Curve Characteristics



Ambient Temperature (°C)



Reverse Voltage (V)



Ordering Information

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

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