



Micro Commercial Components



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1SS387

Features

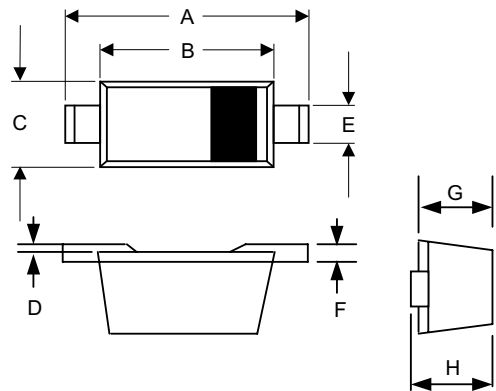
- High speed switching diode
- Surface mount package
- For general purpose switching applications
- Marking: G
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

**85 Volts
 Switching Diode**

Mechanical Data

- Case: SOD-523, Molded Plastic
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: Indicated by Cathode Band
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)

SOD-523



Maximum Ratings @ 25°C Unless Otherwise Specified

CHARACTERISTICS	SYMBOL	RATING	UNIT
Maximum Reverse Voltage	V_{RM}	85	V
Reverse Voltage	V_R	80	V
Average Forward Current	I_O	100	mA
Peak forward surge current(10ms)	I_{FSM}	1	A
Power Dissipation	P_D	150	mW
Junction Temperature	T_J	125	°C
Storage Temperature Range	T_{STG}	-55~125	°C

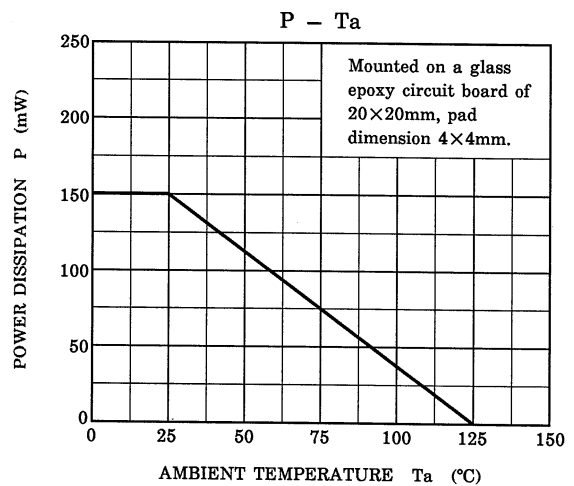
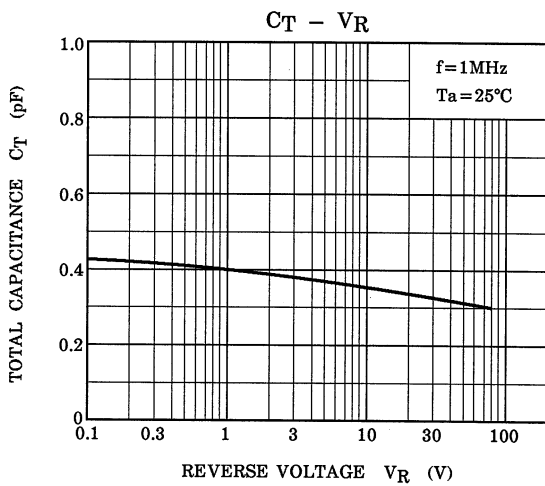
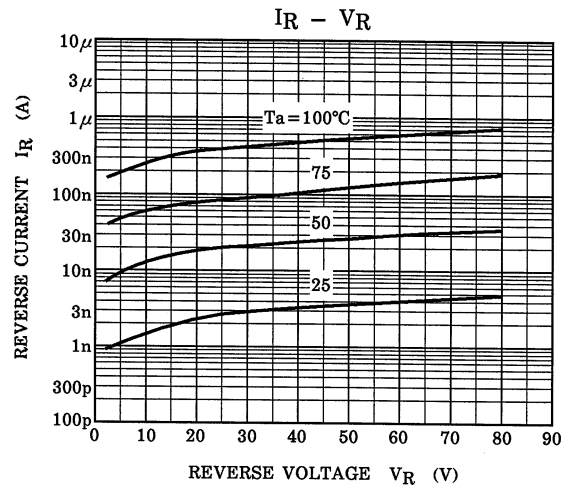
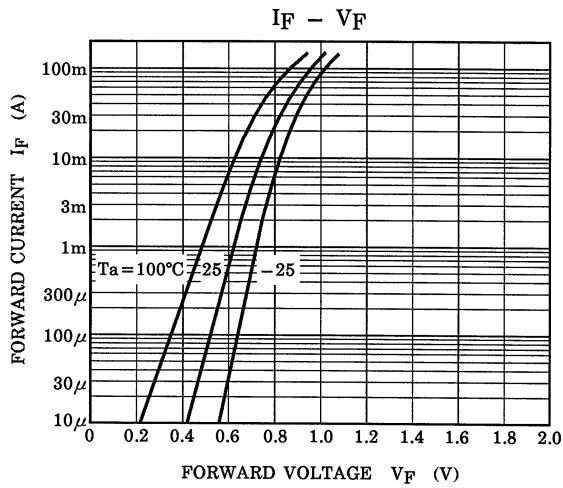
Electrical Characteristics @ 25°C Unless Otherwise Specified

CHARACTERISTICS	SYMBOL	Typ	Max	Unit	Conditions
Forward Voltage	V_F	0.62		V	$I_F=1mA$
		0.75			$I_F=10mA$
			1.20		$I_F=100mA$
Reverse Current	I_R		0.1	uA	$V_R=30V$
			0.5		$V_R=80V$
Total Capacitance	C_T		3.0	pF	$V_R=0V, f=1MHz$
Reverse recovery time	t_{rr}		4	ns	$V_R=6V, I_F=10mA, R_L=100\Omega$

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.043	.051	1.10	1.30	
C	.030	.033	0.75	0.85	
D	.001	.003	0.01	0.07	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
G	.020	.028	0.50	0.70	
H	.020	.031	0.51	0.77	

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Typical Characteristics





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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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