



Micro Commercial Components



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1SS389

Features

- High speed switching diode
- Surface mount package
- For general purpose switching applications
- Marking: S4
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

15 Volts
 Switching Diode

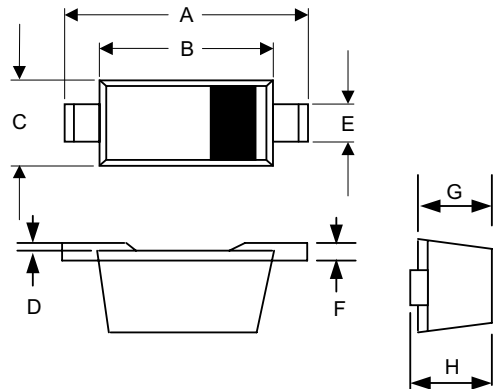
Mechanical Data

- 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)

Maximum Ratings @ 25°C Unless Otherwise Specified

CHARACTERISTICS	SYMBOL	RATING	UNIT
Maximum Reverse Voltage	VRM	15	V
Reverse Voltage	VR	10	V
Average Forward Current	IO	100	mA
Peak forward surge current	IFSM	1	A
Power Dissipation	P	150	mW
Junction Temperature	TJ	125	°C
Storage Temperature Range	TSTG	-55~125	°C

SOD-523



Electrical Characteristics @ 25°C Unless Otherwise Specified

CHARACTERISTICS	SYMBOL	Typ	Max	Unit	Conditions
Forward Voltage	VF	0.18		V	IF=1 mA
		0.23	0.30		IF=5 mA
		0.35	0.50		IF=100 mA
Reverse Current	IR		20	uA	VR=10V
Total Capacitance	CT	20	40	PF	VR=0V, f=1MHZ

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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Ordering Information

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

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