



Micro Commercial Components

Micro Commercial Components
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CMDSH-3

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material:Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Low Turn-on Voltage
- Fast Switching
- Ultra-Small Surface Mount Package
- PN Junction Guard Ring for Transient and ESD Protection

Maximum Ratings

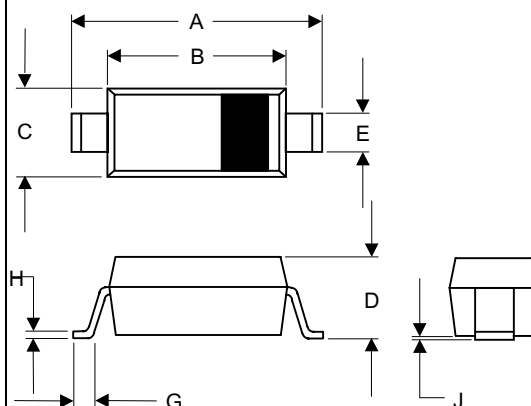
Symbol	Parameter	Rating	Unit
V_{RM}	Non-Repetitive Peak Reverse Voltage	30	V
V_R	DC Blocking Voltage	21	V
I_O	Average Rectified Output Current	100	mA
I_{FSM}	Peak Forward Surge Current	750	mA
R_{JA}	Thermal Resistance Junction to Ambient	500	/W
P_D	Power dissipation	250	mW
T_J	Junction Temperature	125	
T_{STG}	Storage Temperature	-65 to +150	

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Test Conditions
$V_{(BR)}$	Reverse Breakdown Voltage	30V		$I_R=100 \text{ A}$
I_R	Reverse Voltage Leakage Current		1.0	$V_R=25V$
V_F	Forward Voltage	.30V .36V	.55V .80V	$I_F=2mA$ $I_F=15mA$ $I_F=50mA$ $I_F=100mA$
C_T	Total Capacitance		7pF	$V_R=10V, f=1MHZ$

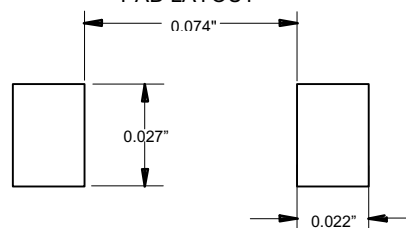
Schottky Diode

SOD-323



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	

SUGGESTED SOLDER PAD LAYOUT



Marking: S1

Ordering Information

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

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