



Micro Commercial Components



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SMD22WS

Features

- Halogen free available upon request by adding suffix "-HF"
- Low Voltage Rectification
- Low Forward Voltage Drop
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 400°C/W Junction To Ambient

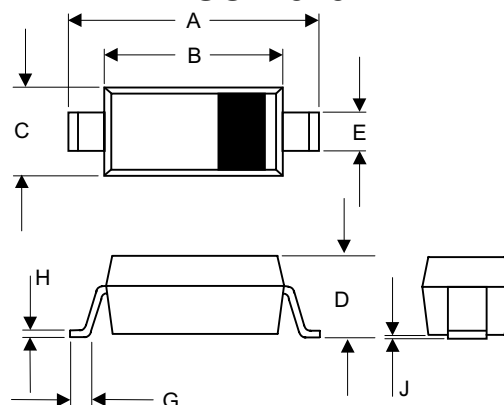
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SMD22WS	SH	20V	14V	20V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	
Peak Forward Surge Current	I_{FSM}	9A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	0.45V 0.55V	$I_F = 1.0A$; $I_F = 2.0A$;
Reverse Breakdown Voltage	$V_{(BR)}$	20V(min)	$I_R = 1.0mA$;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	80μA 100μA	$V_R = 10V$ $V_R = 20V$
Typical junction capacitance	C_J	120pF	Measured at 1.0MHz, $V_R=4.0V$

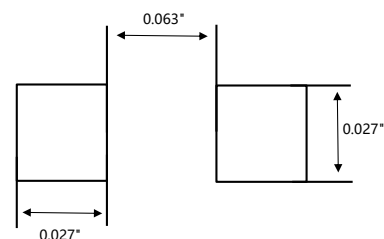
2 Amp Schottky Barrier Rectifier 20 Volts

SOD-323



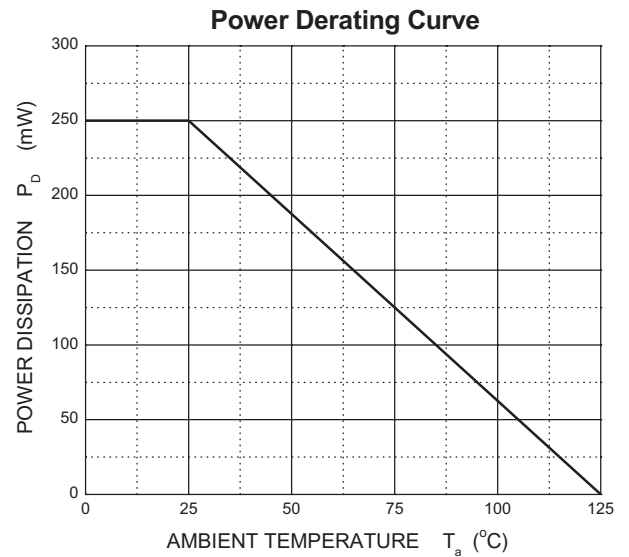
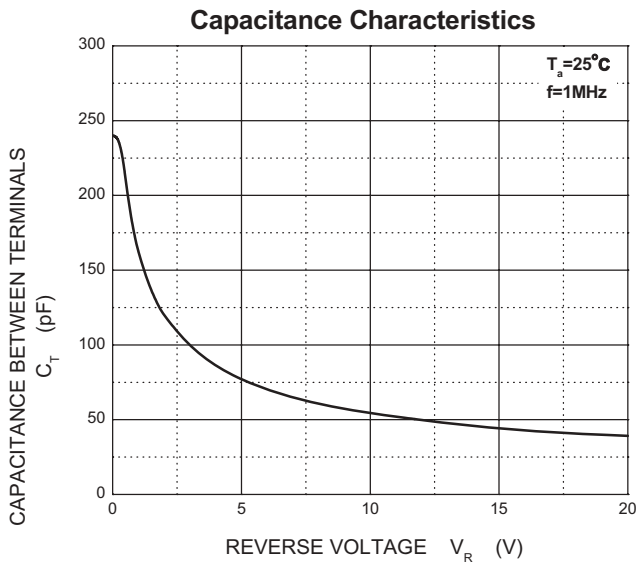
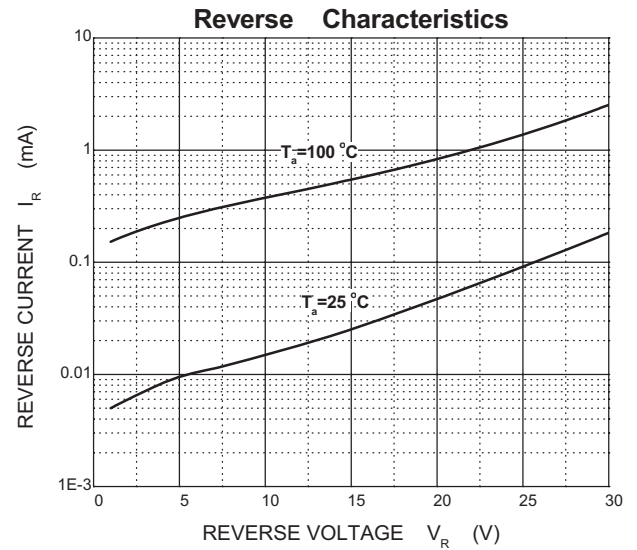
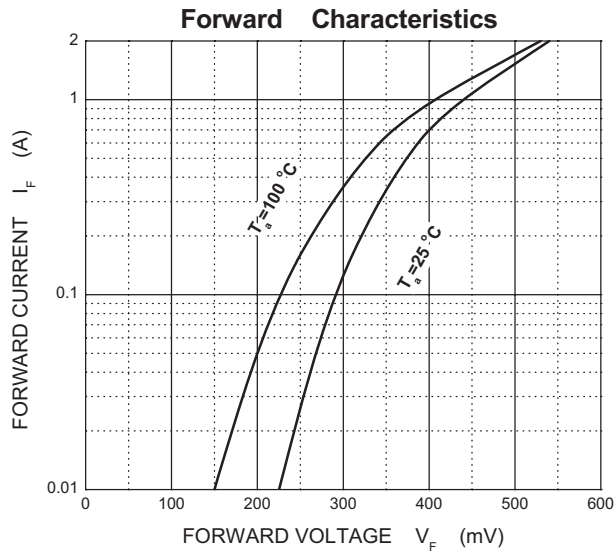
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	

SUGGESTED SOLDER PAD LAYOUT



SMD22WS

Typical Characteristics



Ordering Information :

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

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