

MBRX0520L

0.5 Amp Low VF Schottky Rectifier 20 Volts

Features

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

Maximum Ratings

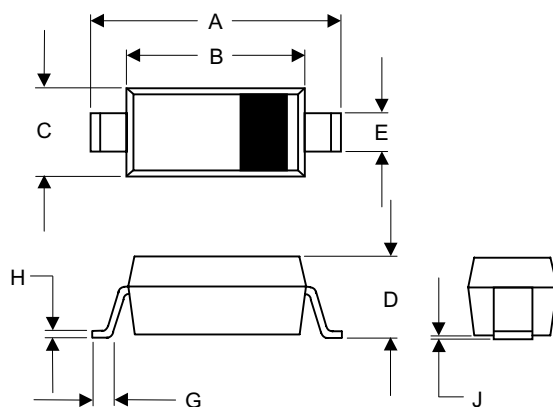
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 500°C/W Junction to Ambient

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRX0520L	SD	20V	14V	20V

Electrical Characteristics @ 25°C Unless Otherwise Specified

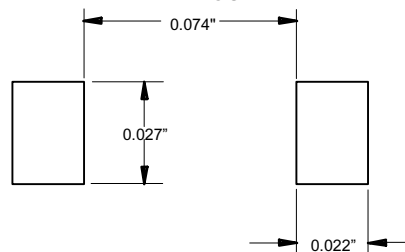
Average Forward Current	I_F	0.5A	
Peak Forward Surge Current	I_{FSM}	5.5A	8.3ms half sine
Maximum Forward voltage	V_F	0.33V 0.39V	$I_F=0.1A$ $I_F=0.5A$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	75uA 250uA	$V_R=10V$ $V_R=20V$
Typical Junction Capacitance	C_J	170pF	$V_R=0, f=1MHz$
Power Dissipation	P_D	200mW	

SOD323

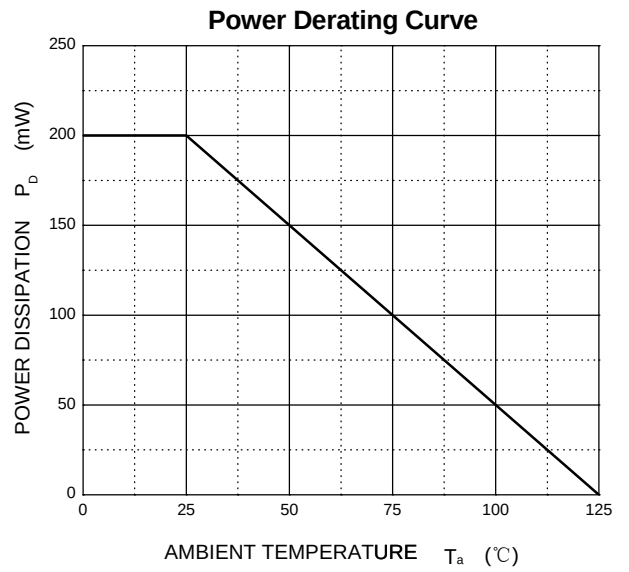
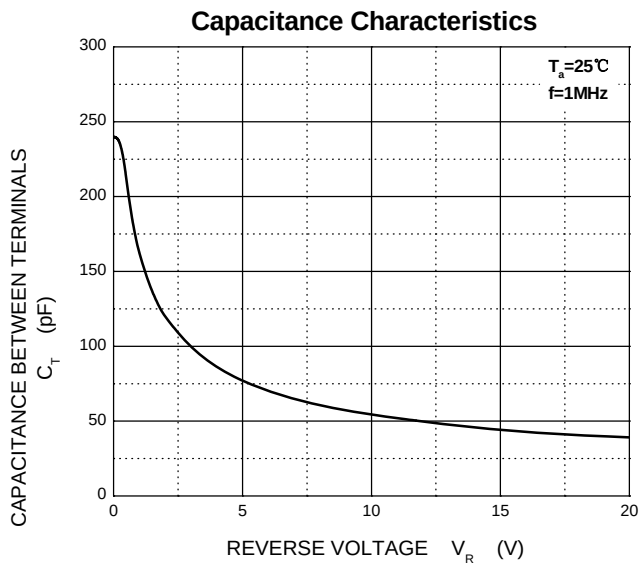
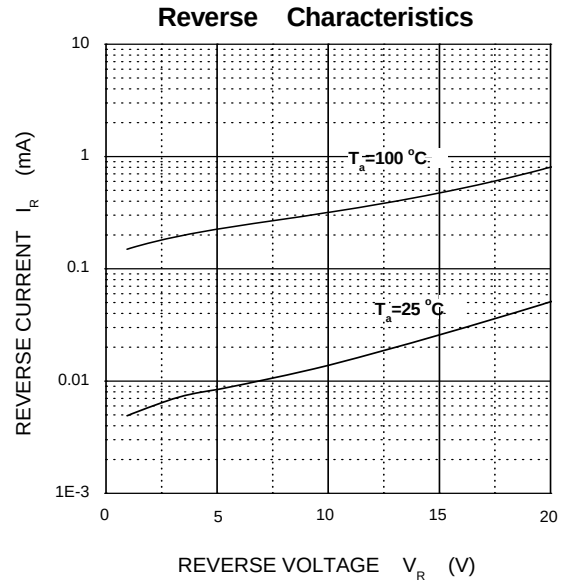
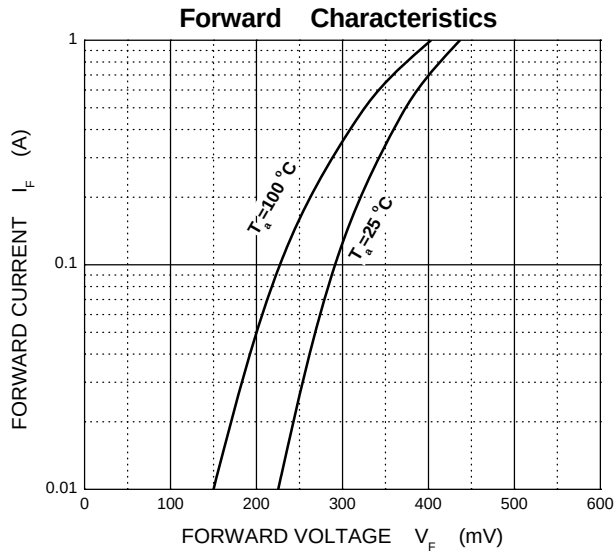


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.113	2.30	2.88	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.049	0.80	1.24	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	

SUGGESTED SOLDER PAD LAYOUT



Typical Characteristics



Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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