

Features

- Small Surface Mounting Type
- 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)
- Halogen Free Available Upon Request By Adding Suffix "-HF"

Maximum Ratings

- Operating Junction Temperature Range: 125°C
- Storage Temperature Range: -40°C to +125°C
- Thermal Resistance: 667°C/W Junction to Ambient

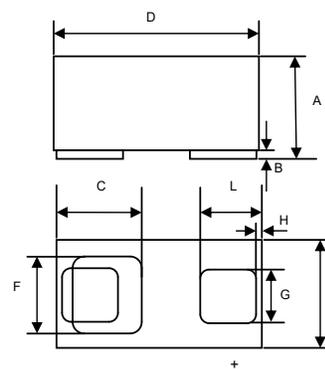
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
RB520S-30LP	E	30V	30V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Mean Rectifying Current	I_O	100mA	
Peak Forward Surge Current	I_{FSM}	0.5A	
Forward Voltage	V_F	0.45V(Max)	$I_F=10mA$;
Reverse Current	I_R	0.5µA(Max)	$V_R=10V$

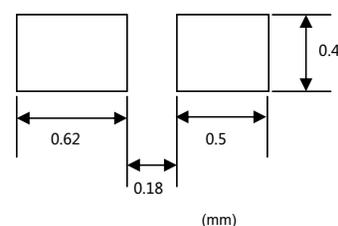
100 mA Schottky Rectifier 30 Volts

SOD-882



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0.55	
B	0.000	0.003	0.01	0.07	
C	0.019	REF.	0.470	REF.	
D	0.037	0.041	0.95	1.05	
E	0.022	0.026	0.55	0.65	
F	0.017	REF.	0.420	REF.	
G	0.011	0.015	0.27	0.37	
H	0.001	REF.	0.030	REF.	
L	0.013	0.017	0.34	0.44	

Suggested Solder Pad Layout



Curve Characteristics

Fig. 1 - Forward Characteristics

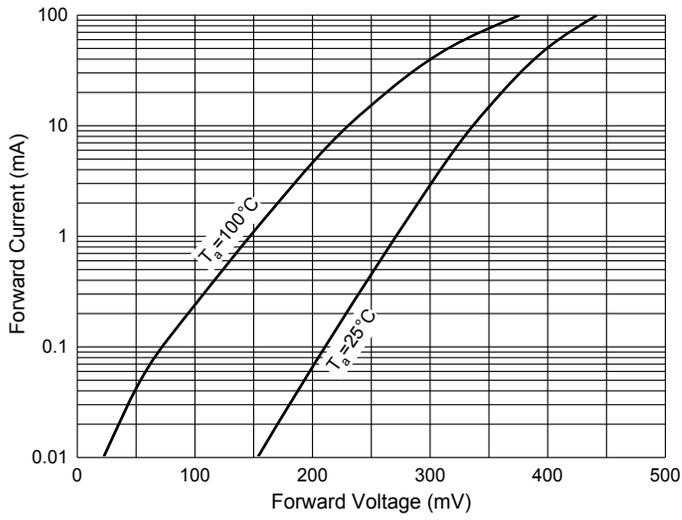


Fig. 2 - Reverse Characteristics

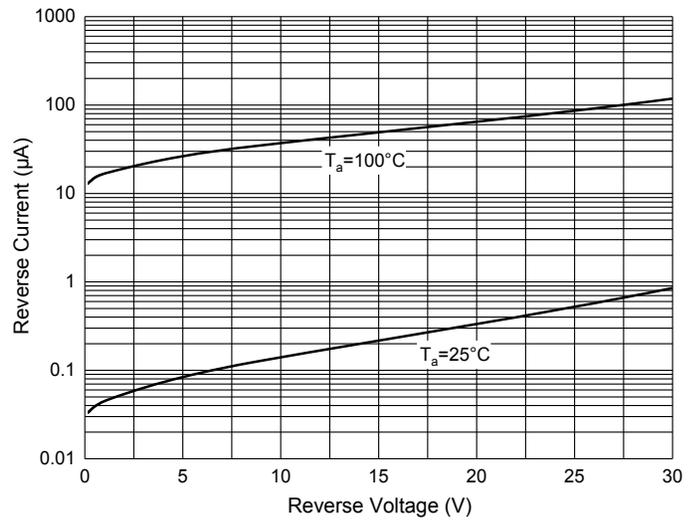


Fig. 3 - Capacitance Characteristics

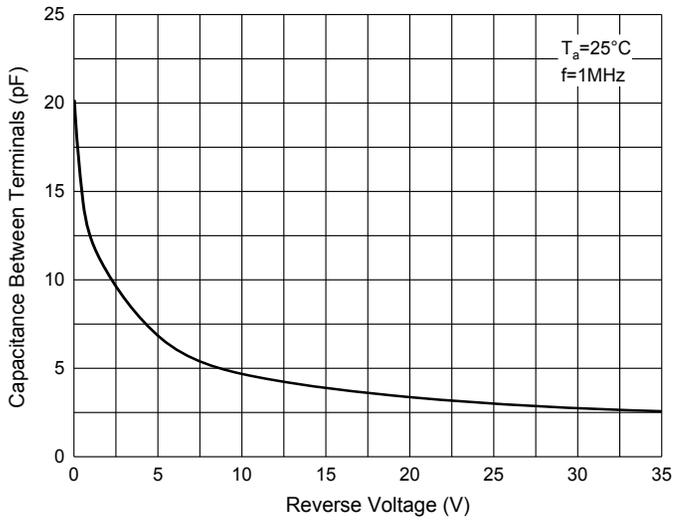
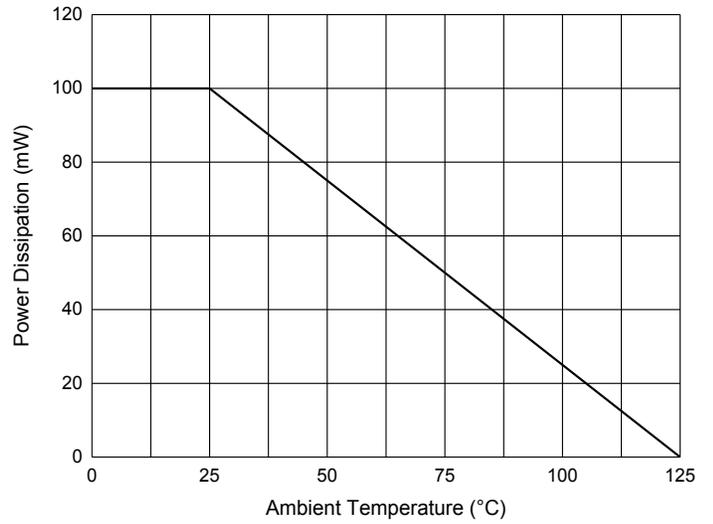


Fig. 4 - Power Derating Curve



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:10Kpcs/Reel

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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