

B5817X

1 Amp Schottky Rectifier 20 Volts

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Surface Mount Package Ideally Suited For Automatic Insertion
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

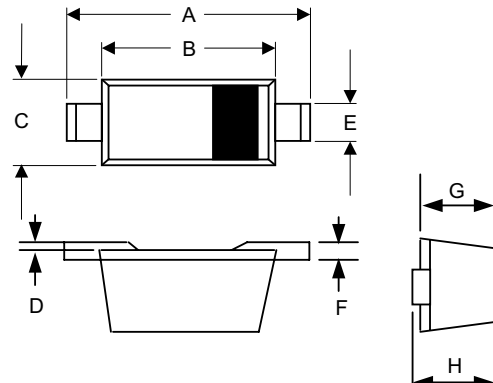
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 667°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
B5817X	L6	20V	14V	20V

Electrical Characteristics @ 25°C Unless Otherwise Specified

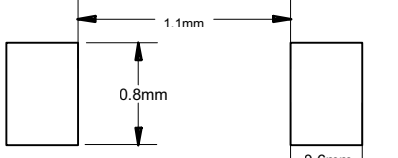
Average Forward Current	$I_{F(AV)}$	1A	
Non-Repetitive Peak Forward Surge Current	I_{FSM}	4A	8.3ms half sine
Maximum Instantaneous Forward Voltage	V_F	0.23V 0.305V 0.50V	$I_F=10mA,$ $I_F=100mA,$ $I_F=1A,$
Maximum DC Reverse Current	I_R	80µA 100µA	$V_R=10V, T_J=25°C$ $V_R=20V, T_J=25°C$
Capacitance between terminals	C_T	120pF	$V_R=0, f=1MHz$
Power Dissipation	P_D	150mW	

SOD-523

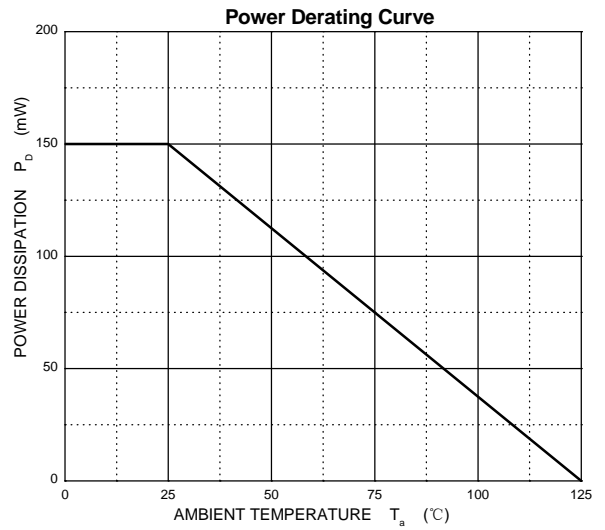
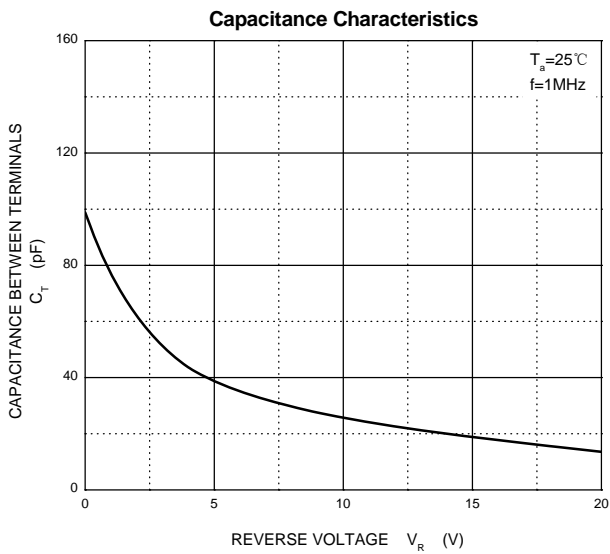
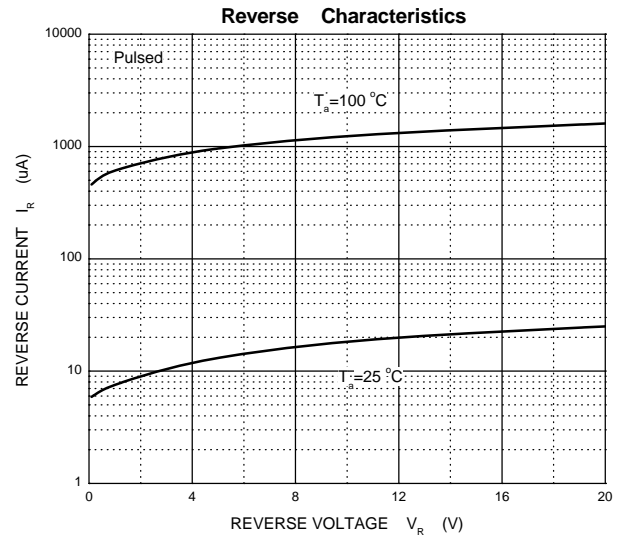
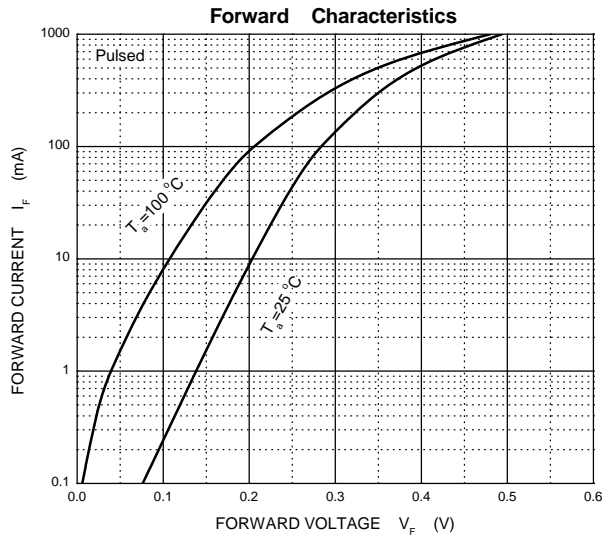


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.043	.051	1.10	1.30	
C	.030	.033	0.75	0.85	
D	.001	.003	0.01	0.07	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
G	.020	.028	0.50	0.70	
H	.020	.031	0.51	0.77	

Suggested Solder Pad Layout



B5817X





Micro Commercial Components

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

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

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