

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

B5817W Thru B5819W

Features

- Guard Ring Protection
- Low Forward Voltage Drop
- For Use in Low Voltage, High Frequency Inverters
- Power Dissipation:250mW
- 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)

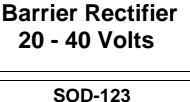
Maximum Ratings

- Operating Temperature: -65 $^{\circ}$ C to +125 $^{\circ}$ C
- Storage Temperature: -65°C to +150°C
- Maximum Thermal Resistance; 500K/W Junction To Ambient

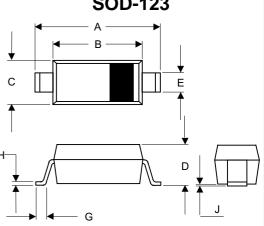
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
B5817W	SJ	20V	14V	20V
B5818W	SK	30V	21V	30V
B5819W	SL	40V	28V	40V

Electrical Characteristics @ 25° C Unless Otherwise Specified

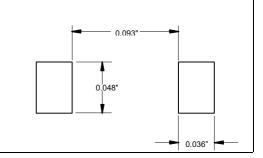
Average Forward Current	I _{F(AV)}	1.0A	T _c = 90°C
Peak Forward Surge Current	I _{FSM}	10A	8.3ms, half sine
Maximum Instantaneous Forward Voltage B5817W	V _F	0.45V 0.55V 0.60V 0.75V	$I_{FM} = 1.0A;$ $T_{J} = 25^{\circ}C$
B5818W B5819W		0.75V 0.875V 0.90V	I _{FM} = 3A; T _J = 25℃
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	1mA	T _A = 25℃
Typical junction capacitance	CJ	120pF	Measured at 1.0MHz , V_R =4.0V



1 Amp Schottky



DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
А	.140	.152	3.55	3.85			
В	.100	.112	2.55	2.85			
C	.055	.071	1.40	1.80			
D		.053		1.35			
ш	.012	.031	0.30	.78			
G	.006		0.15				
Н		.01		.25			
J		.006		.15			

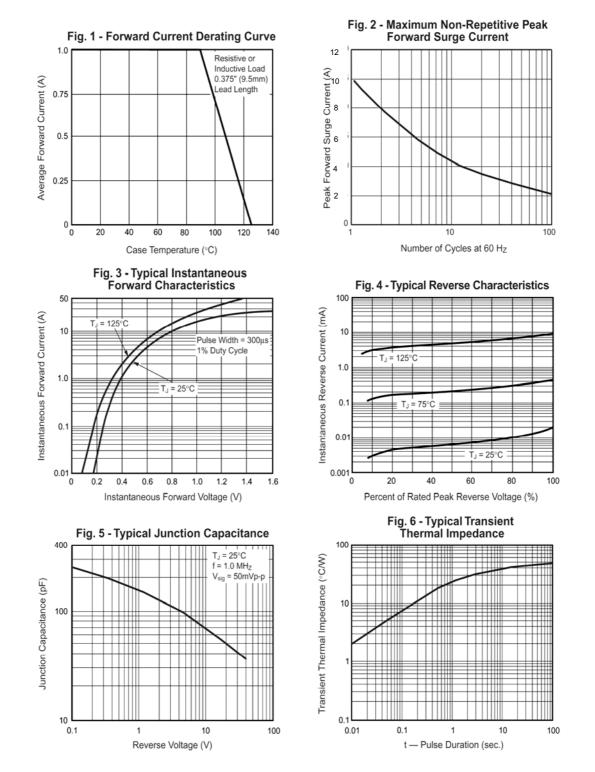


www.mccsemi.com

B5817W-B5819W



Typical Characteristics



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Ordering Information :

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

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