

# B5817W--B5819W

#### FEATURES

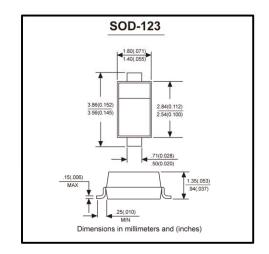
- ◆ For use in low voltage, high frequency inverters
- ◆ Free wheeling, and polanty protection applications

### MECHANICAL DATA

Case: Molded plastic body Terminals: Plated leads solderable per MIL-STD-750,

Method 2026

Polarity: Polarity symbols marked on case Marking: B5817W:SJ, B5818W:SK, B5819W:SL



● Maximum ratings and electrical characteristics, Single diode @T<sub>A</sub>=25℃

SYMBOLS	B5817W	B5818W	B5819W	UNITS
VRRM				
VRWM	20	30	40	V
VR				
VR(RMS)	14	21	28	V
lo	1			Α
IFSM	20			А
Pd	250			mW
Roja	500			K/W
Тѕтс	-65 to +150			°C
V <sub>RM</sub>	20	30	40	V
	VRRM VRWM VR VR(RMS) IO IFSM Pd ROJA TSTG	VRRM VRWM 20 VR VR(RMS) 14 Io IFSM Pd RΘJA TSTG	VRRM         VRWM         20         30           VR         VR(RMS)         14         21           Io         1         1           IFSM         20         250           Pd         250         250           Reja         500         500           Tstg         -65 to +150	VRRM         VRWM         20         30         40           VR         VR(RMS)         14         21         28           Io         1

### Electrical ratings @TA=25°C

PARAMETER	SYMBOLS	Min.	Max.	Unit	Test conditions	
Reverse breakdown voltage	V <sub>(BR)</sub>	20 30 40		V V V	I <sub>R</sub> =1mA	B5817W B5818W B5819W
Reverse voltage leakage current	lR		1	mA	V <sub>R</sub> =20V V <sub>R</sub> =30V V <sub>R</sub> =40V	B5817W B5818W B5819W
Forward voltage			0.45 0.75	v v	I <sub>F</sub> =1A I <sub>F</sub> =3A	B5817W
	VF		0.55 0.875			B5818W
			0.6 0.9			B5819W
Diode capacitance	C□		120	pF	V <sub>R</sub> =4V,f=1.0MHz	

SHIKE MAKE CONSCIOUS PRODUCT

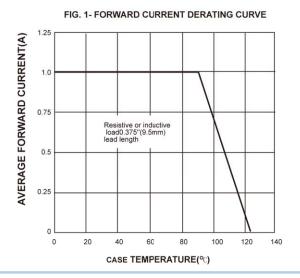
Conscious Products Begin With Conscious People

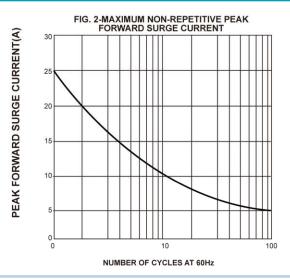
REV.07

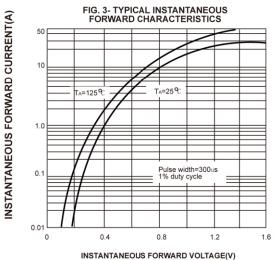


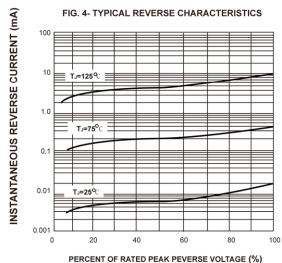


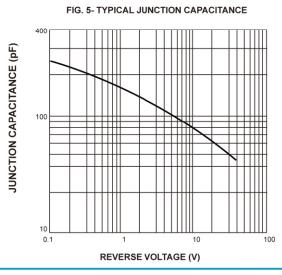
## B5817W--B5819W

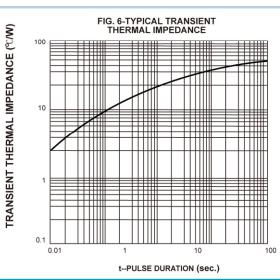












SHIKE MAKE CONSCIOUS PRODUCT
CONSCIOUS PRODUCTS BEGIN WITH CONSCIOUS PEOPLE
REV.07

