

Features

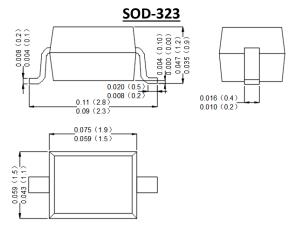
- For use in low voltage.
- High frequency inverters.
- For linear amplification .
- Available in lead free version.

Mechanical Data

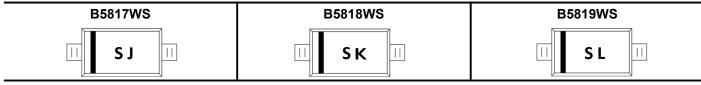
- Case:Molded Plastic,SOD-323 .
- Epoxy:UL 94V-0 rate flame retardant
- Terminals:Plated Leads Solderable per

MIL-STD-750, Method-2026.

- Marking:on body.
- Mounting Position : Any.



Dimensions in inches and (millimeters)



Maximum Ratings (Rating at 25 ℃ ambient temperature unless otherwise specified.)

Characteristic	Symbol	B5817WS	B5818WS B5819WS		Unit	
Non-repetitive PeakReverse Voltage	V_{RM}	20	20 30 40		V	
Reverse Voltage	V _R	20	20 30		V	
RMS Reverse Voltage	V _{R (RMS)}	14	21	28		
Forward Continuous Current	I _F		Α			
Peak Forward Surge Current@ t _P = 8.3ms	I _{FSM}		Α			
Repetitive Peak Forward Current	I _{FRM}		Α			
Power Dissipation	P _D		mW			
Thermal Resistance Junction to Ambient Air	R _{0JA}		°C/W			
Operating Temperature Range,	Tj		°C			
Storage Temperature Range	T _{STG}	-55 ···+150				

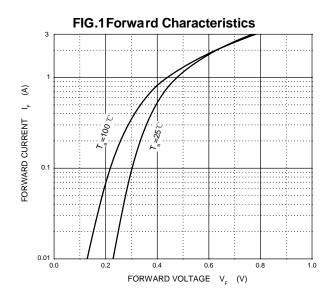
Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

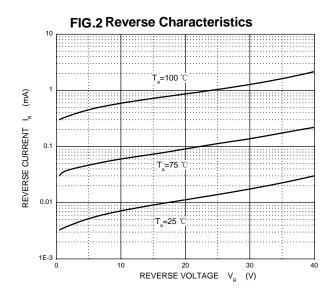
Characteristic	Symbol	Conditions		Min	Max	Unit
Reverse Leakage Current	I _R	B5817WS	V _R =20V		1.0	mA
		B5818WS	V _R =30V		1.0	mA
		B5819WS	V _R =40V		1.0	mA
Forward Voltage	VF	B5817WS	I _F =1A		0.45	V
			I _F =3A		0.75	V
		B5818WS	I _F =1A		0.55	V
			I _F =3A		0.86	V
		B5819WS	I _F =1A		0.60	V
			I _F =3A		0.90	V
Diode Capacitance	C _D	V _R =1V,f=1MHz			120	pF

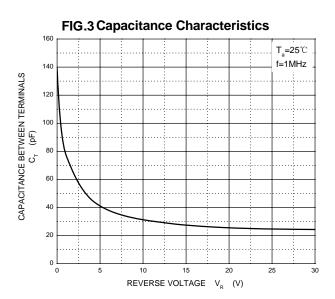
Version 00 -1-

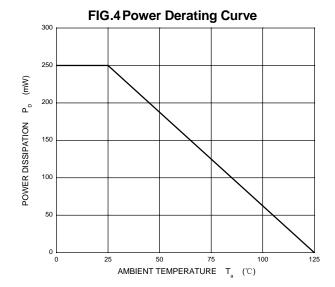


Electrical Characteristics Ta = 25℃unless otherwise specified









Version 00 -2 -



Important Notice and Disclaimer

- Reproducing and modifying information of the document is prohibited without from XINNUO.
- XINNUO reserves the right to make changes to this document and its products and specifications.
- XINNUO disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- XINNUO does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- •Applications shown on the here in document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications.XINNUO makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown her are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify XINNUO for any damages resulting from such improper use or sale.
- Since XINNUO uses lot number as the tracking base, please provide the lot number for tracking when complaining.

Version 00 -3-