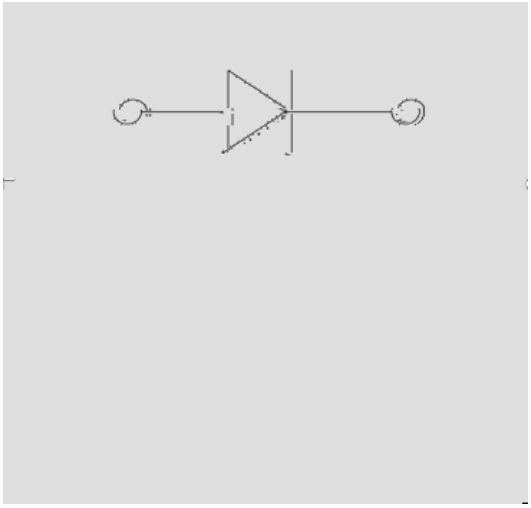
B5818WSQ THRU B5819WSQ

Small Signal Schottky Rectifier



Features

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- V_{RRM} 30V/40V
- I_{FAV} 1A
- Part no. with suffix “Q” means AEC-Q101 qualified

Applications

- Use as rectifiers in low-voltage,high-frequency inverters
- Automotive

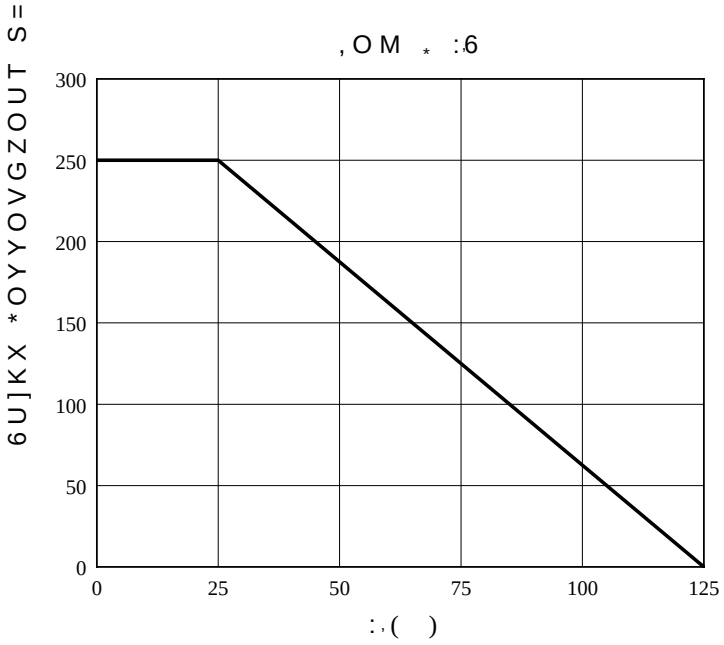
Mechanical Data

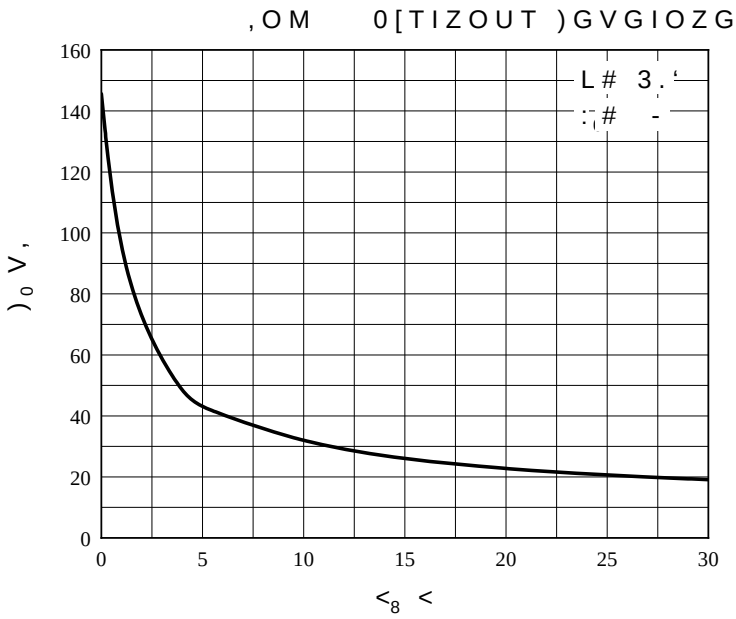
- **Case**: SOD323
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end

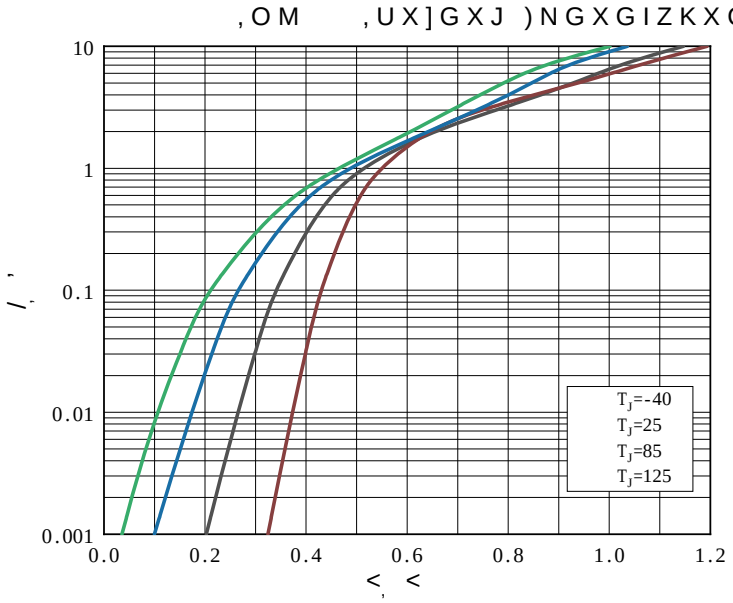
■ **Maximum Ratings** (T_a=25 Unless otherwise specified

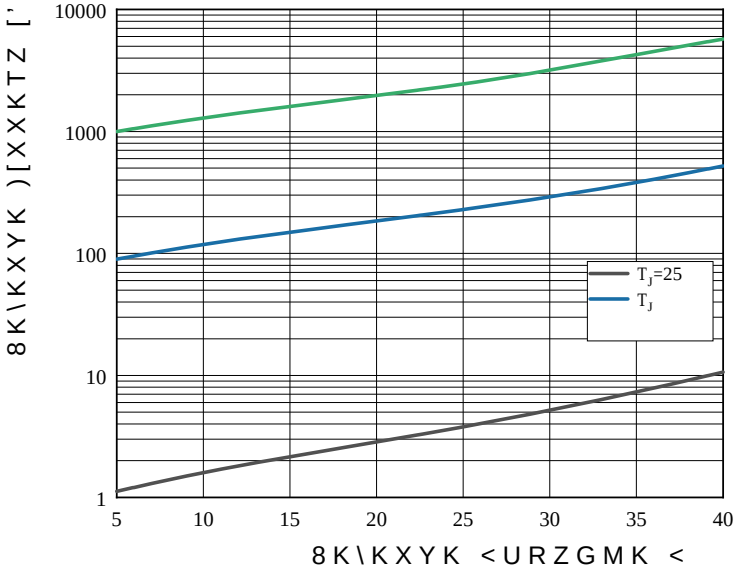
PARAMETER	SYMBOL	UNIT	CONDITIONS	VALUE	
Repetitive peak reverse voltage	V_{RRM}	V		B5818WSQ	30
				B5819WSQ	40
Reverse voltage	V_R	V	I_R=1mA	B5818WSQ	30
				B5819WSQ	40
Average Forward Current	I_{FAV}	A		1	
Peak Forward Surge Current	I_{FSM}	A	8.3ms, half sine	20	
Power Dissipation	P_{tot}	mW		250	
Thermal Resistance Junction to Ambient	R_{thJA}	K/W		400	
Junction Temperature	T_J				
	$_{stg}$			-55 to +150	

■ **Characteristics** (Typical)









v2XWOLQH 'LPHQVLRQV

v0DUNLQJ ,QIRUPDWLRQ

0DUNLQJ

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with automotive electronics are not designed for use in medical, life-saving, life-sustaining,or military,Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website http:// www.21yangjie.com , or consult your nearest Yangjie's sales office for further assistance.