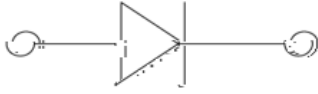




B5818WSQ THRU B5819WSQ

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

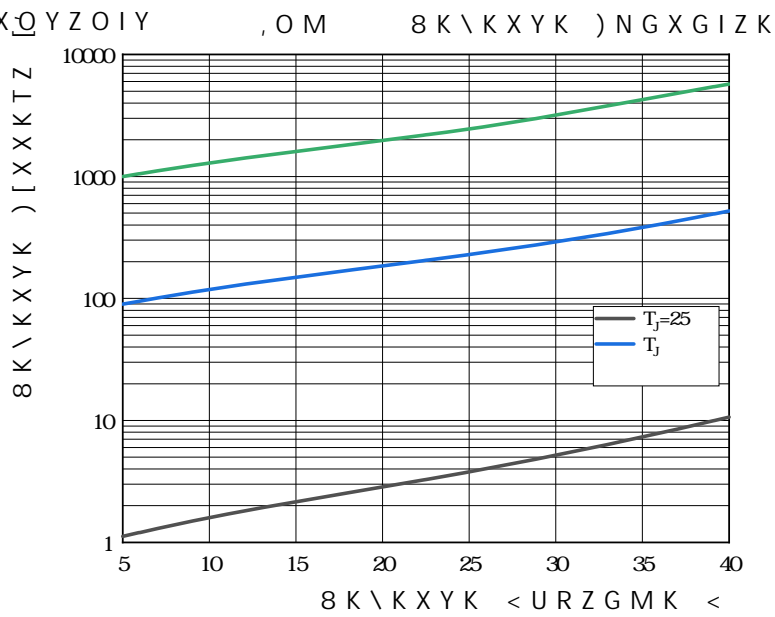
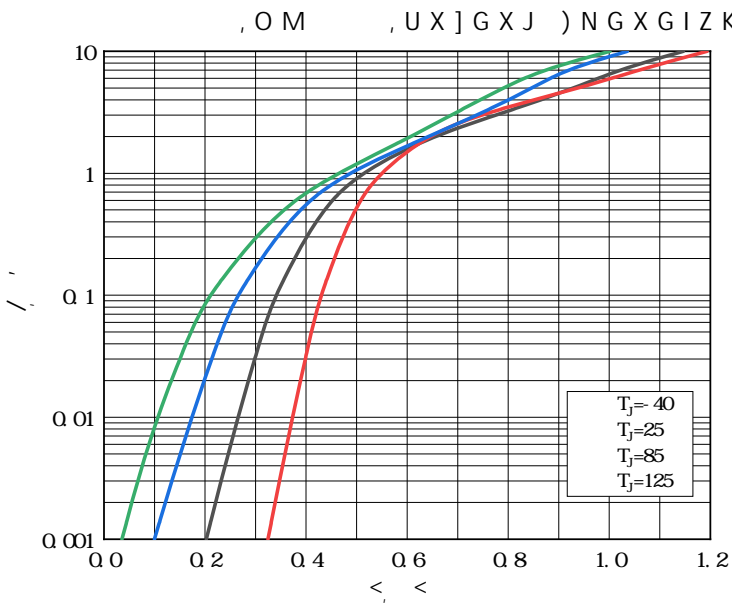
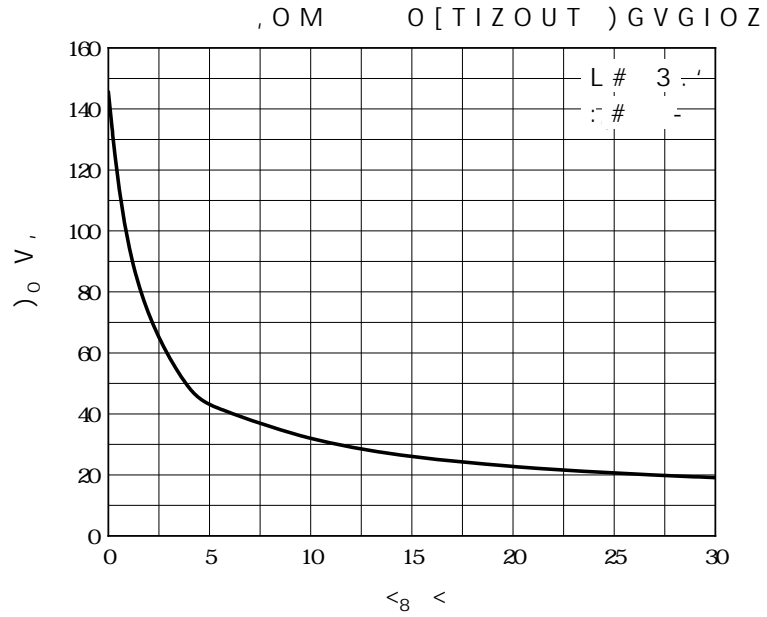
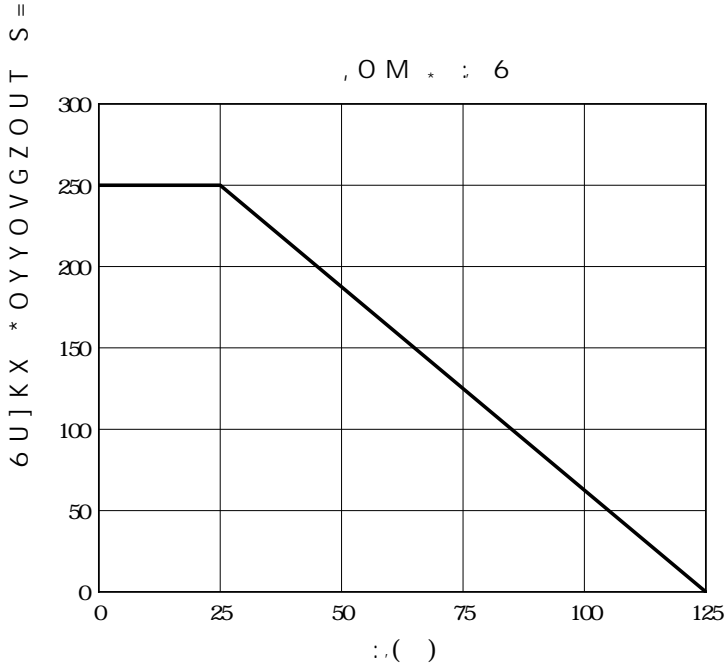
Maximum Ratings ($T_a=25$ Unless otherwise specified)

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				
Storage Temperature Range	T_{stg}			-55 to +150	



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Characteristics (Typical)



% :64 7+58 % :64

v2XWOLQH 'LPHQVLRQV

v0DUNLQJ ,QIRUPDWLRQ

0DUNLQJ



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