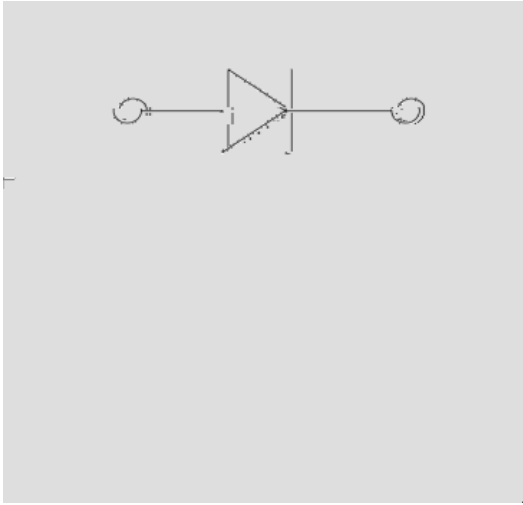




# B5818WSQ THRU B5819WSQ

## 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)

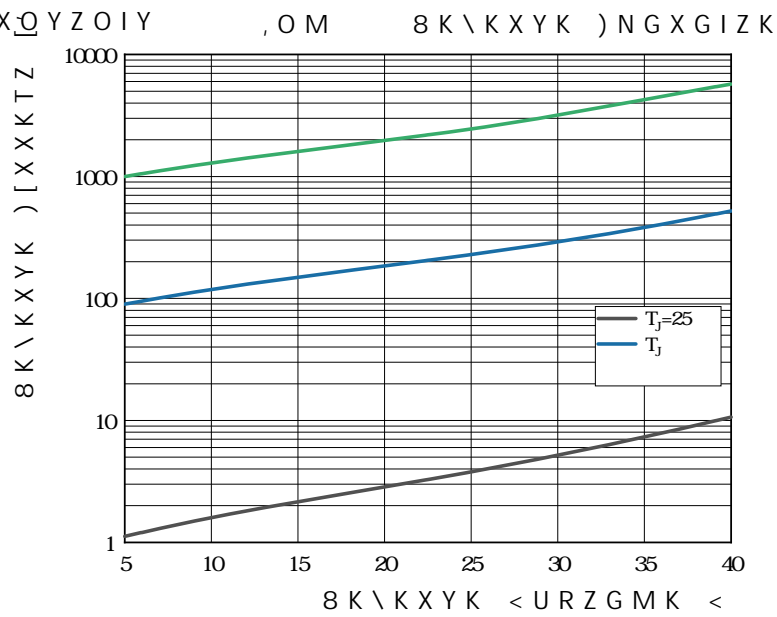
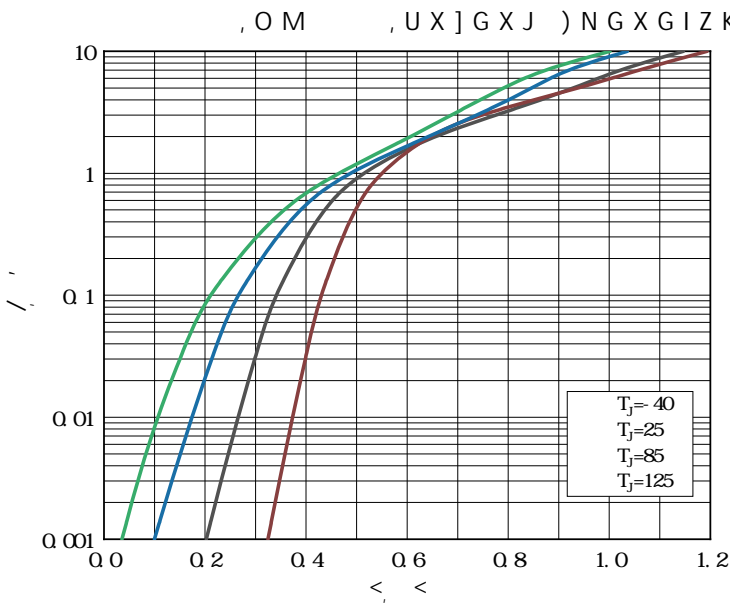
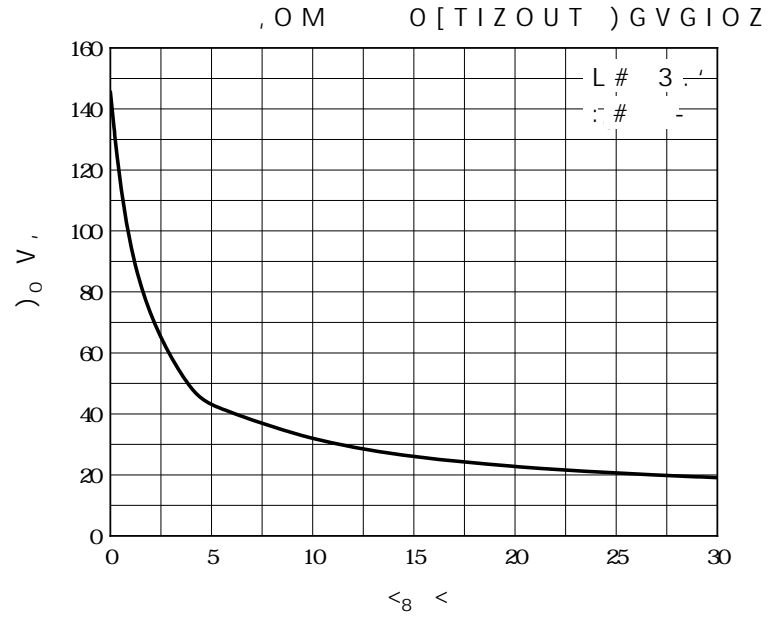
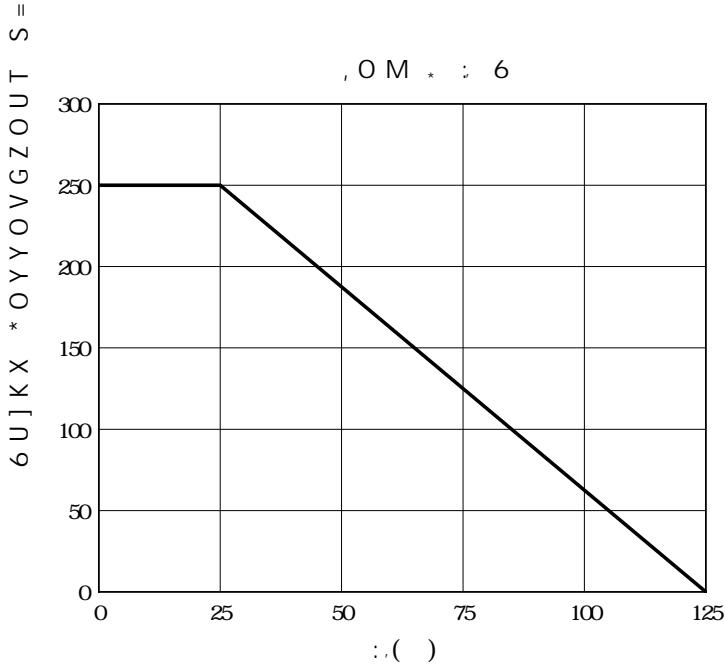
PARAMETER	SYMBOL	UNIT	CONDITIONS	VALUE	
Repetitive peak reverse voltage	$V_{RRM}$	V		B5818WSQ	30
				B5819WSQ	40
Reverse voltage	$V_R$	V	$I_R=1mA$	B5818WSQ	30
				B5819WSQ	40
Average Forward Current	$I_{FAV}$	A		1	
Peak Forward Surge Current	$I_{FSM}$	A	8.3ms, half sine	20	
Power Dissipation	$P_{tot}$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





# B5818WSQ THRU B5819WSQ

## Characteristics (Typical)



% :64 7+58 % :64

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v2XWOLQH 'LPHQVLRQV

v0DUNLQJ ,QIRUPDWLRQ

0DUNLQJ@°@° `@0



## B5818WSQ THRU B5819WSQ

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### Disclaimer

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