Small Signal Schottky Rectifier

Features

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- V_{RRM} 30V
- I_{FAV} 200mA
- Part no. with suffix “Q” means AEC-Q101 qualified

Mechanical Data

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

PARAMETER	SYMBOL	UNIT	CONDITIONS	VALUE
Maximum Repetitive peak reverse voltage	V_{RRM}	V		30
Average Forward Current	I_{FAV}	mA		200
Peak Forward Surge Current	I_{FSM}	A	tp 10ms	3
Power Dissipation	P_{tot}	mW **mW**		

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

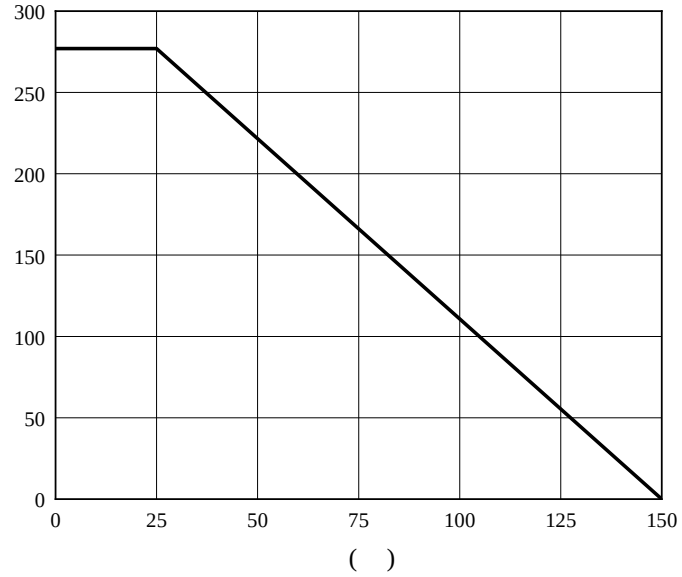
■ Electrical Characteristics T_a=25 Unless otherwise specified

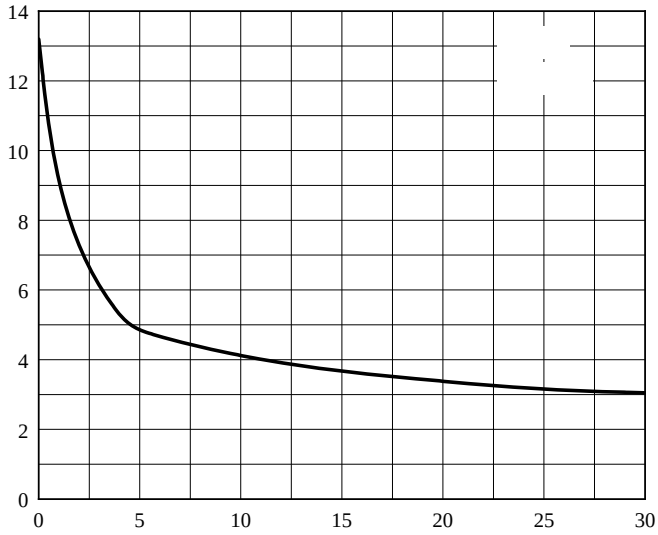
PARAMETER	SYMBOL	UNIT	CONDITIONS	MIN	MAX
Forward Voltage	V_F	V	I_F=0.1mA		0.24
			I_F=1mA		0.32
			I_F=10mA		0.4
			I_F=30mA		0.5
			I_F=100mA		1
Reverse Leakage Current	I_R	uA	V_R=25V		2
Reverse Breakdown Voltage	V_{BR}	V	I_R=10uA	30	

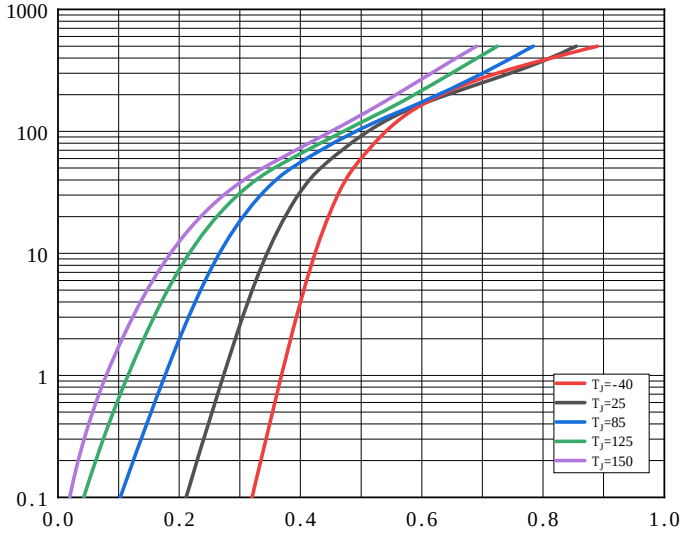
■ Ordering Information (Example)

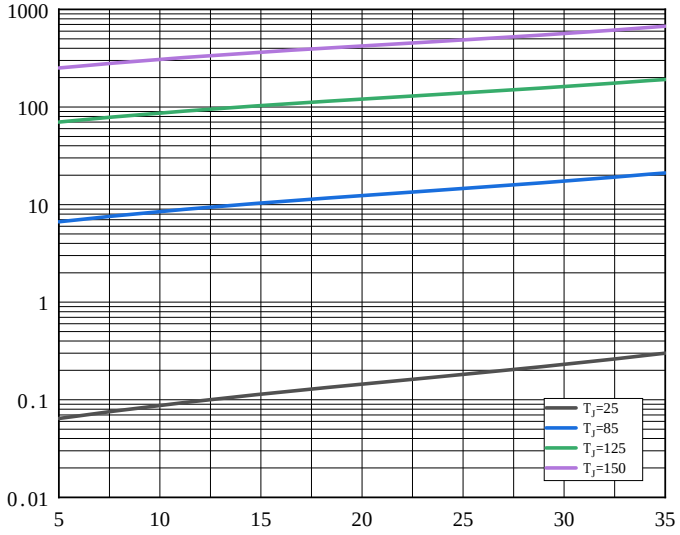
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAT54WSHQ	F2	Approximate 0.0045	3000	30000	120000	7” reel

■ Characteristics (Typical)

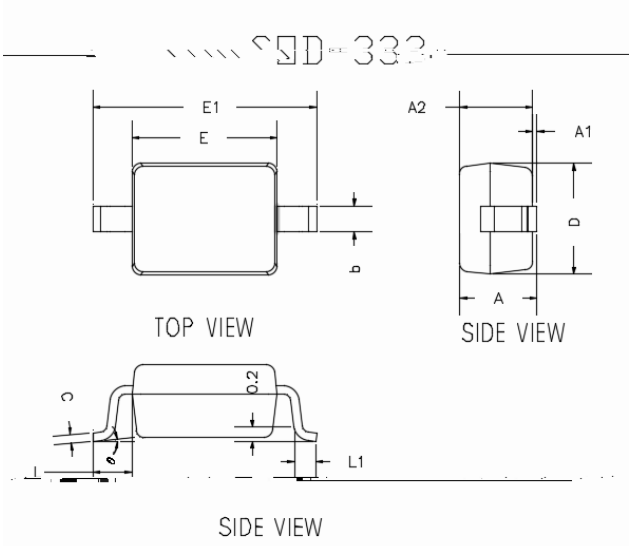


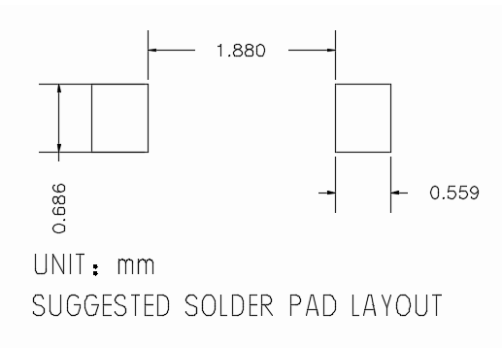






■ Outline Dimensions





DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MN	MAX
A	---	0.0393	---	1.0000
A1	0.0000	0.0039	0.0000	0.1000
A2	0.0314	0.0354	0.8000	0.9000
b	0.0098	0.0157	0.2500	0.4000
c	0.0031	0.0059	0.0800	0.1500
D	0.0472	0.0551	1.2000	1.4000
E	0.0629	0.0709	1.6000	1.8000
E1	0.0984	0.1063	2.5000	2.7000
L	0.0197TYP		0.475TYP	
L1	0.0098	0.0157	0.250	0.400
θ	0°	8°	0°	8°

■ Marking Information



Note:
1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black
4. L9% is Marking Code (%=placeholder for date code)

*Date Code vary depending upon production date.

Disclaimer

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