



BAT54WSHQ

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	
Peak Forward Surge Current	I_{FSM}	A	t_p 10ms 3
Power Dissipation	P_{tot}	mW	θ_{JC} θ_{JA}
	θ_{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	μA	$V_R=25V$		2
Reverse Breakdown Voltage	V_{BR}	V	$I_R=10\mu A$	30	



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Ordering Information (Example)

PREFERRED 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)

Fig.15 P_D - T_A

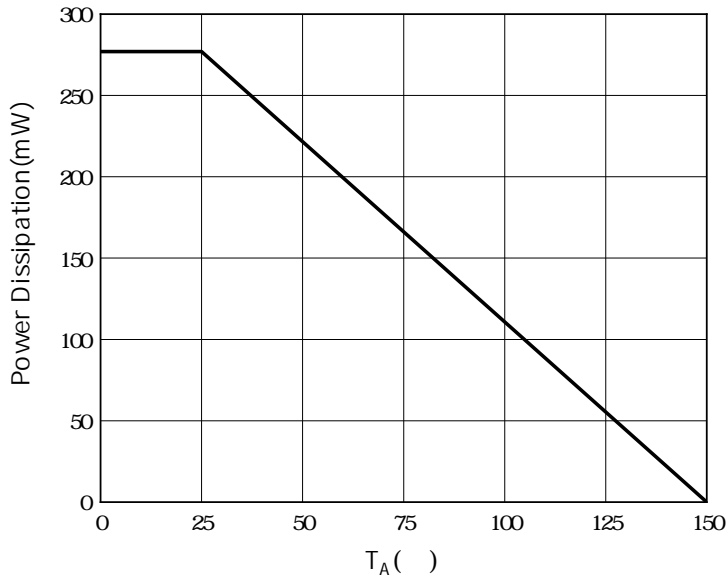


Fig.2: Capacitance Characteristics

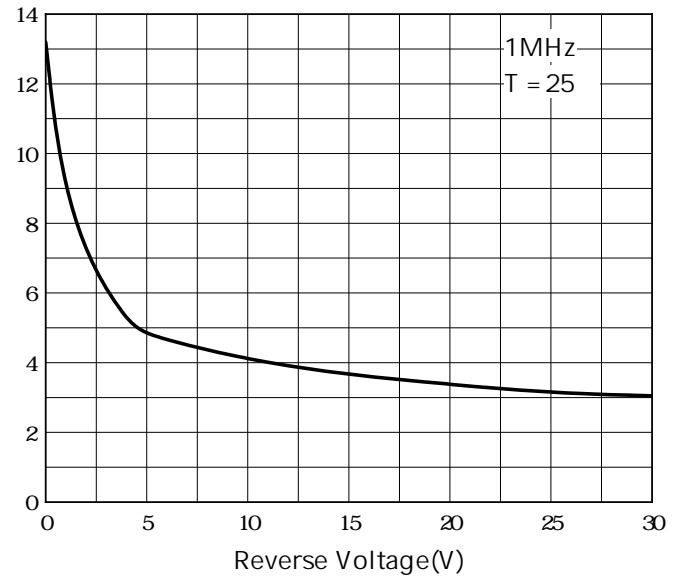


Fig.3: Forward Characteristics

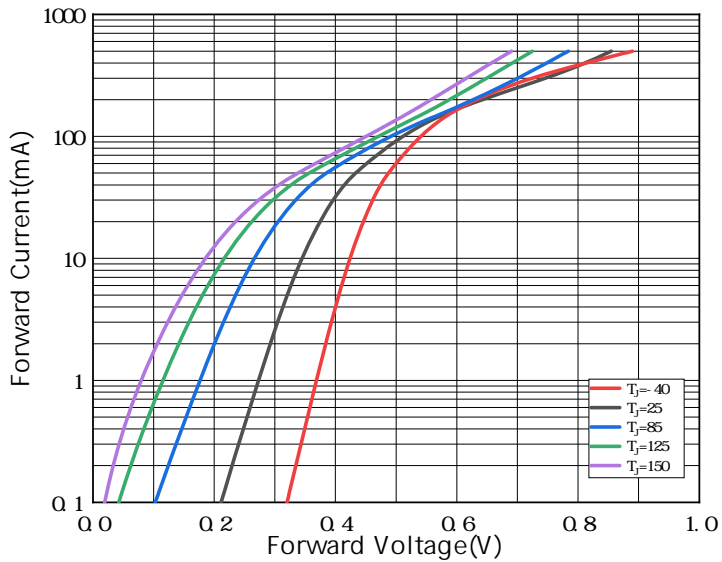
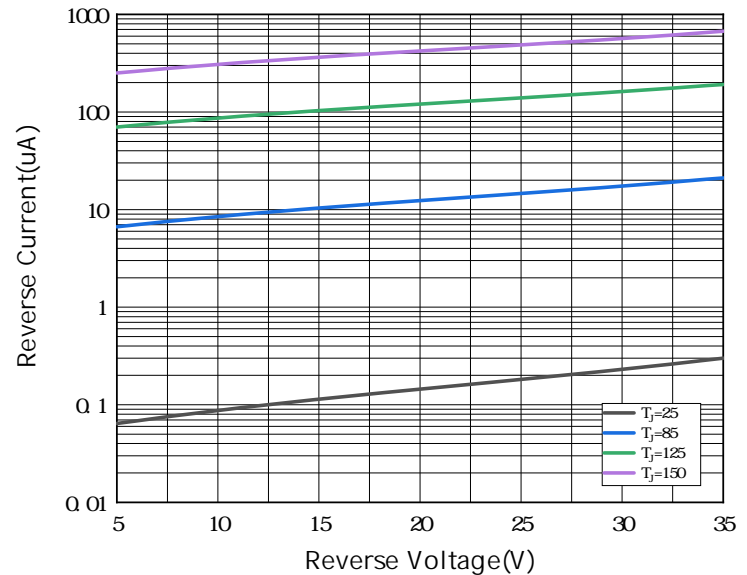


Fig.4 Reverse Characteristics





Outline Dimensions

Marking Information

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