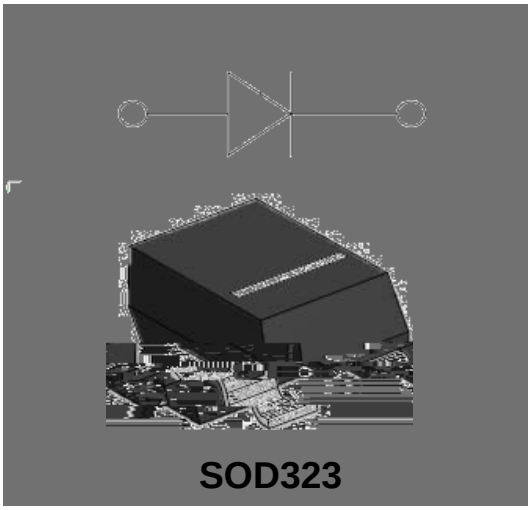
Small Signal Schottky Rectifier



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		200
Thermal Resistance Junction to Ambient	R_{thJA}	K/W		500
Junction Temperature	T_J			-55 to +125
Storage Temperature Range	T_{stg}			-55 to +150

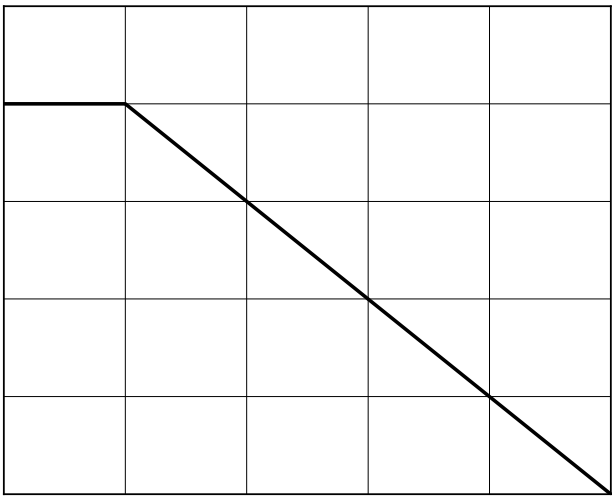
■ Electrical Characteristics T_a=25 Unless otherwise specified

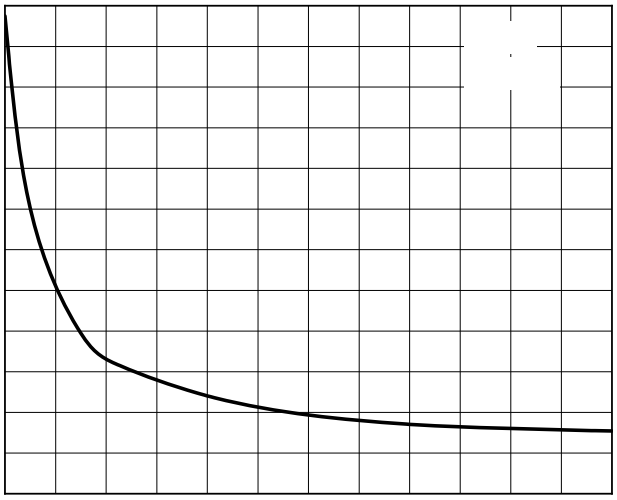
PARAMETER	SYMBOL	UNIT	CONDITIONS	MIN	MAX
Forward Voltage	V_F	V	I_F=0.1mA		0.24
			I_F=1mA		0.32
			I_F=10mA		0.4
			I_F=30mA		0.5
			I_F=100mA		1
Reverse Leakage Current	I_R	uA	V_R=25V		2
Reverse Breakdown Voltage	V_{BR}	V	I_R=10uA	30	
Junction Capacitance	C_J	pF	V_R=1V, f =1MH$_Z$		10
Reverse Recovery Time	t_{rr}	ns	I_F=I_R=10mA,Irr=1mA,R_L=100Ω		5

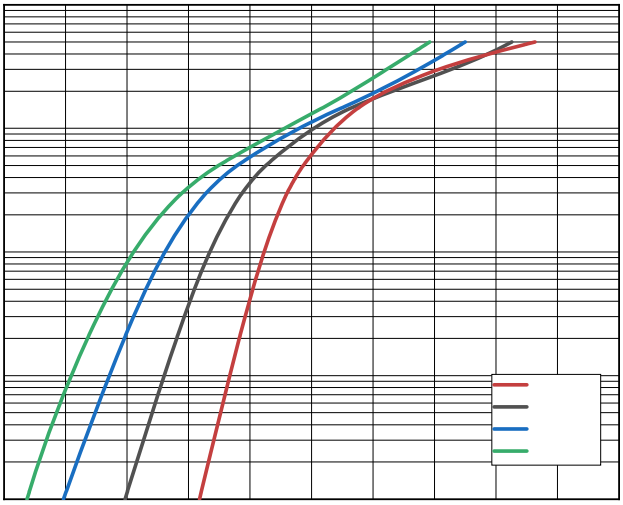
■ **Ordering Information** (Example)

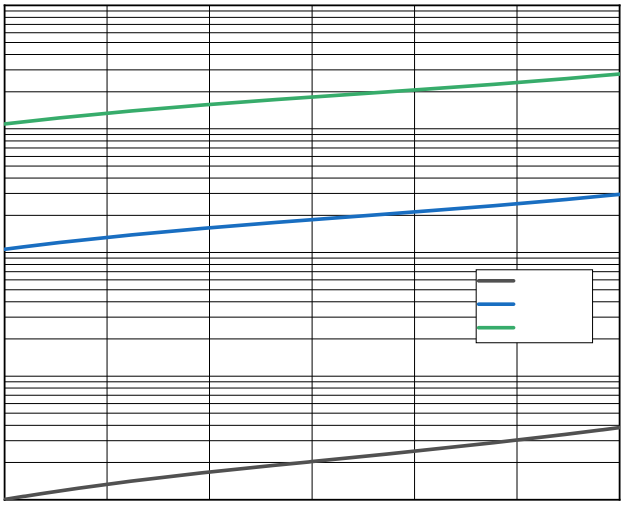
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAT54WSQ	F2	Approximate 0.0045	3000	30000	120000	7” reel

■ **Characteristics** (Typical)









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