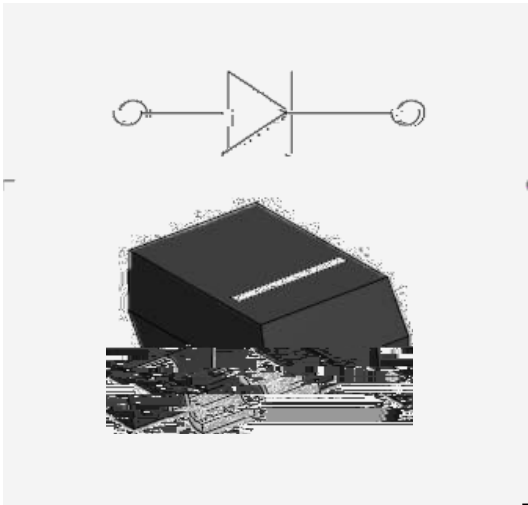




Small Signal Schottky Diode



SOD123

Features

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- V_{RRM} 40V/30V/20V
- I_{FAV} 0.35A
- Part no. with suffix “Q” means AEC-Q101 qualified

Applications

PARAMETER	SYMBOL	UNIT	CONDITIONS	VALUE	
Repetitive peak reverse voltage	V_{RRM}	V		SD103AWQ	40
				SD103BWQ	30
				SD103CWQ	20
Average Forward Current	I_{FAV}	A	$T_A = 25^{\circ}C$	0.35	
Storage Temperature	T_{stg}	°C		-55 to +150	



SD103AWQ / SD103BWQ / SD103CWQ

■ **Electrical Characteristics** $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	CONDITIONS	PART	MIN	MAX
Forward Voltage	V_F	V	$I_F=20mA$			0.37



SD103AWQ / SD103BWQ / SD103CWQ

■ Characteristics (Typical)

Fig.1: P_D - T_A

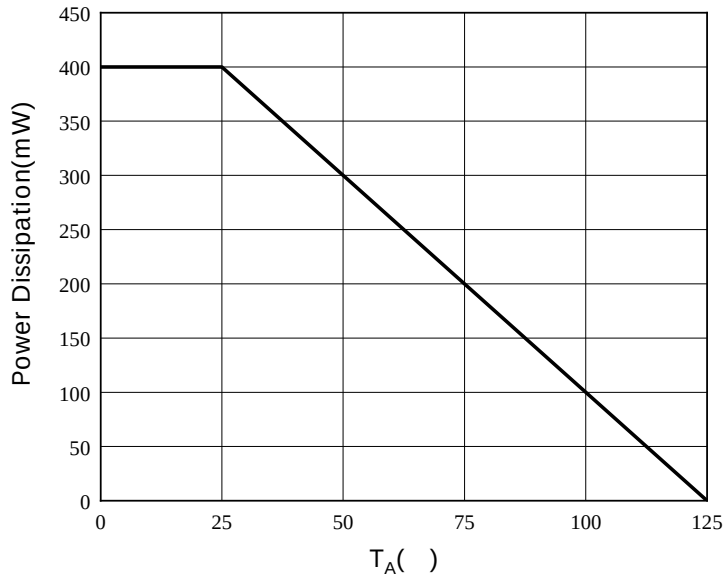


Fig.2: Capacitance Characteristics

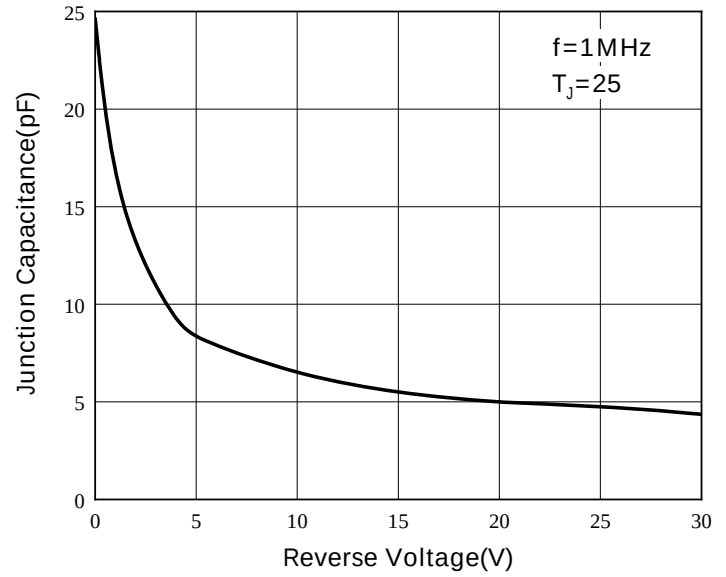


Fig.3: Forward Characteristics

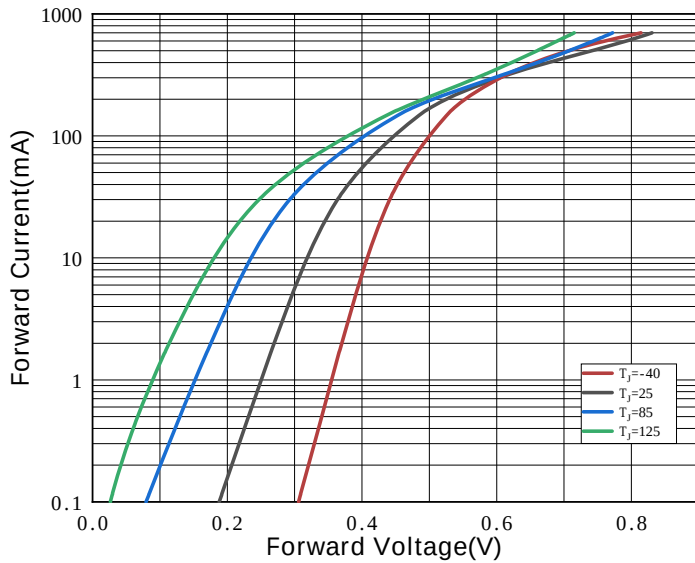
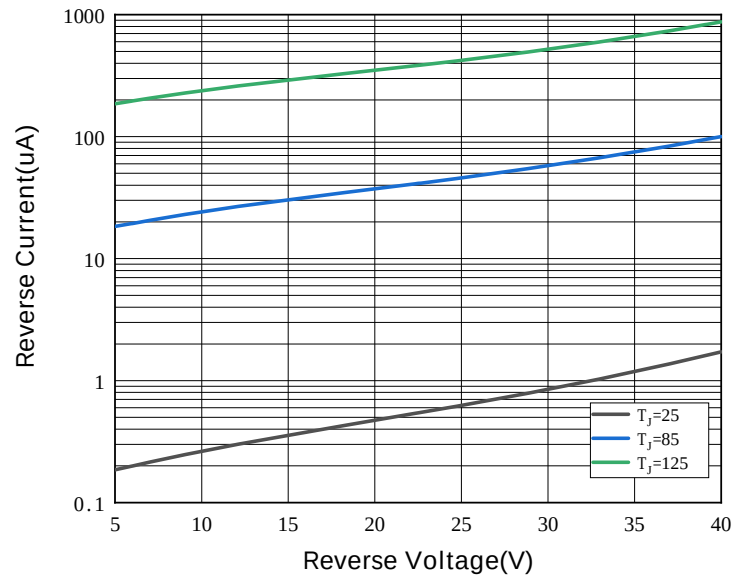


Fig.4: Reverse Characteristics





■ Outline Dimensions

■ Marking Information

	Marking
SD103AWQ	S4

