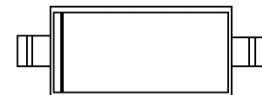


FEATURES AND BENEFITS

Product Summary		
I_{FM}	0.5A	@25 °C
V_F	0.55V	@0.5A
V_{RRM}	40V	@25 °C

- Low Forward Voltage Schottky Rectifier
- High Frequency Inverters
- RoHS Compliant / Green EMC UL Flammability Classification Rating 94V-0
- Matte Tin (Sn) Lead finish Solderable per MIL-STD-202, Method 208
- Moisture Sensitivity: Level 1 per J-STD-020
- Weight: 0.01 grams (Approximate)

SOD-123

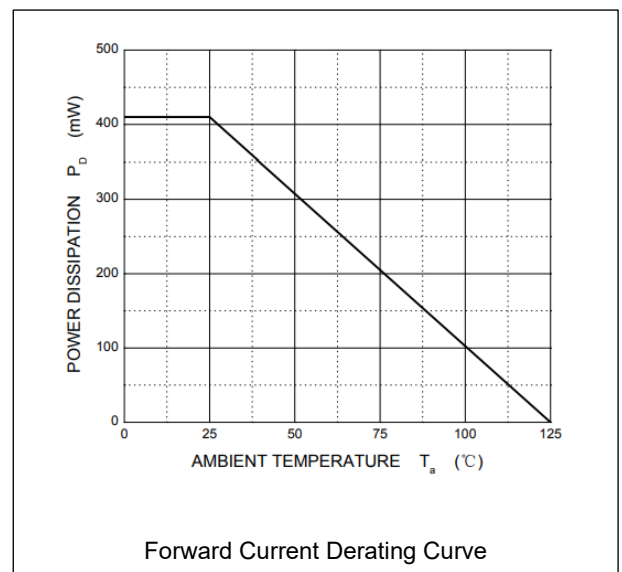
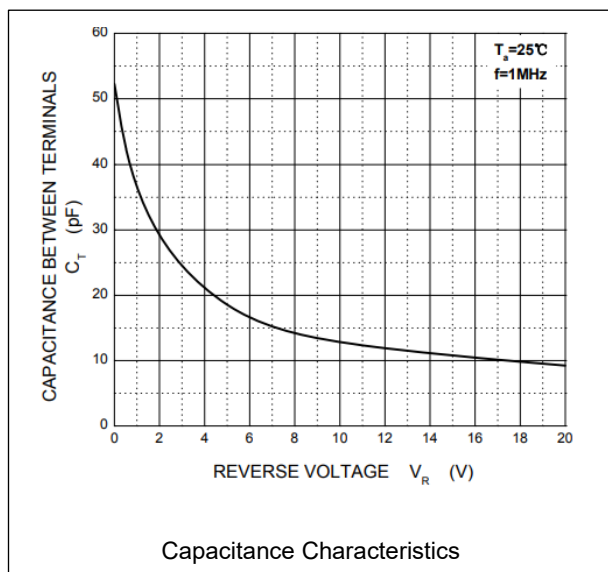
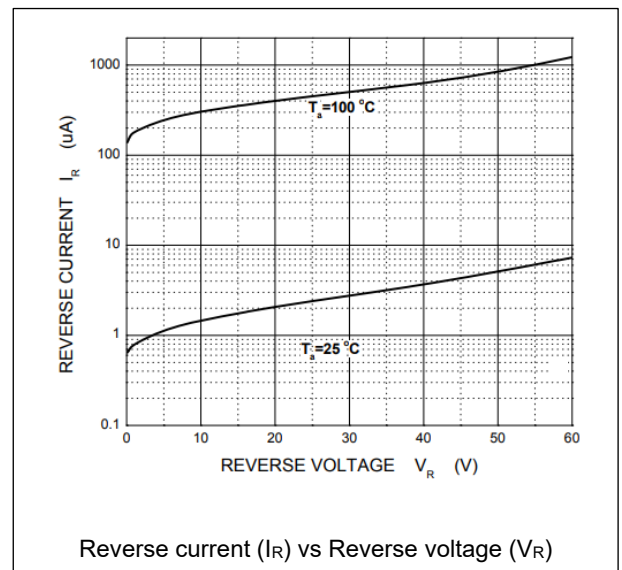
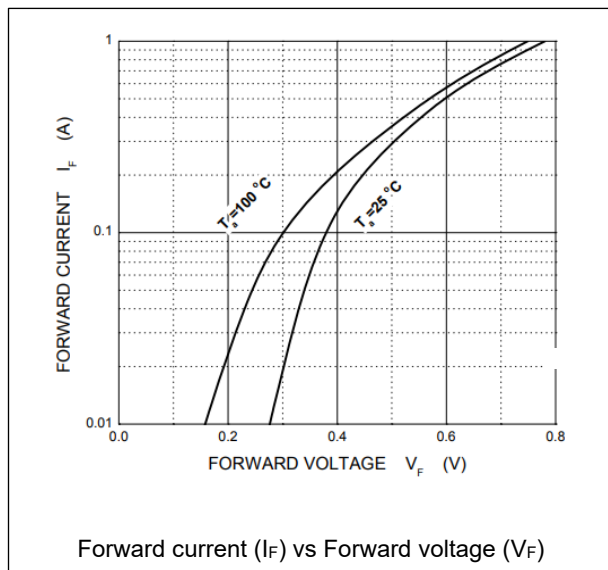


Cathode  Anode

Maximum Ratings (TA = 25 °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Working Reverse Voltage	V_{RWM}	40	V
Forward Continuous Current	I_{FM}	0.5	A
Non-Repetitive Peak Forward Surge Current (@t=8.3ms)	I_{FSM}	5.5	A
Power Dissipation	P_{TM}	410	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T_{STG}	-65 to +150	°C

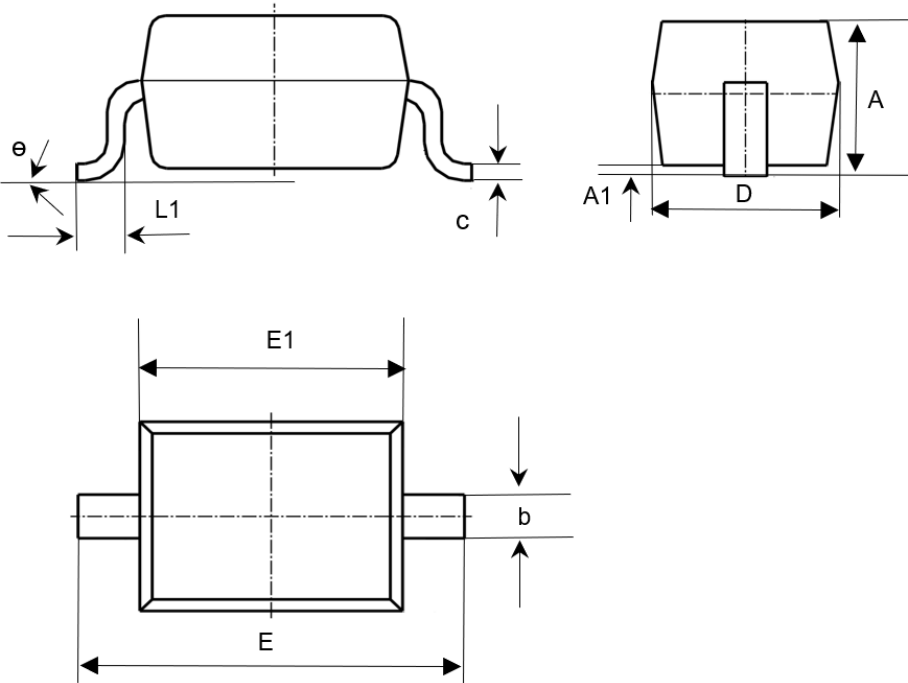
ELECTRICAL CHARACTERISTICS (TA = 25 °C unless otherwise noted)						
PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	$I_F = 0.5A$			0.55	V
Reverse Current	I_R	$V_R = 40V$			200	μA
Capacitance	C_T	$V_R = 4V, f = 1MHz$		30		pF

RATING AND CHARACTERISTICS CURVES



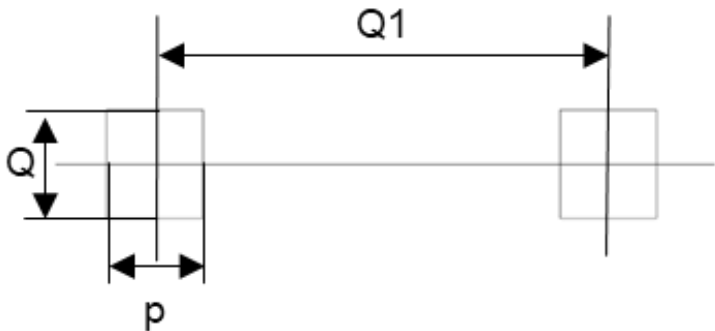
PACKAGE OUTLINE DIMENSIONS

SOD-123



Symbol	MIN	MAX
A	1.05	1.25
A1	0.00	0.10
b	0.45	0.65
c	0.08	0.15
D	1.50	1.70
E	3.55	3.85
E1	2.60	2.80
L1	0.25	0.45
θ	0°	8°
Unit: mm		

SUGGESTED PAD LAYOUT



Symbol	Typ
Q1	3.24
Q	1.0
p	0.8
Unit: mm	

DEVICE MARKING AND ORDERING INFORMATION

DEVICE	Marking	Quantity	Packing
MBR0540	R4	3000pcs/7"Reel	Tape & Reel

NOTICE:

AZUREMOTO'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS COMPONENTS IN ANY LIFE SUPPORT DEVICES OR SYSTEMS.
AZUREMOTO RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE
RELIABILITY OR RUGGEDNESS.