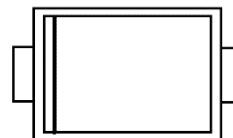


FEATURES AND BENEFITS

Product Summary		
I_{FM}	350mA	@25 °C
V_F	0.37V	@20mA
V_{RRM}	40V	@25 °C

- Low Forward Voltage Drop
- 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: 0.0016 grams (Approximate)

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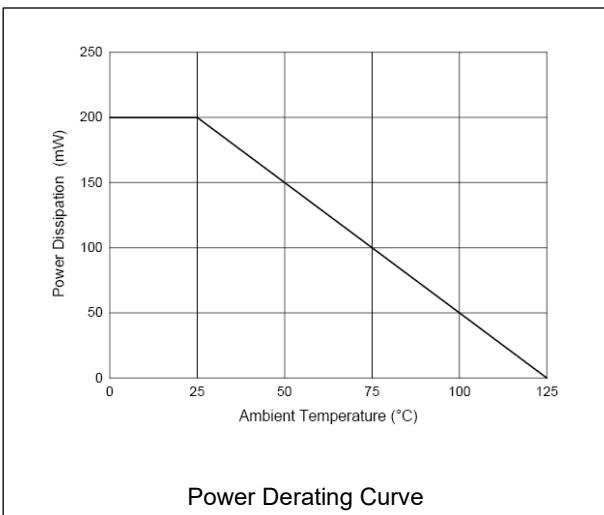
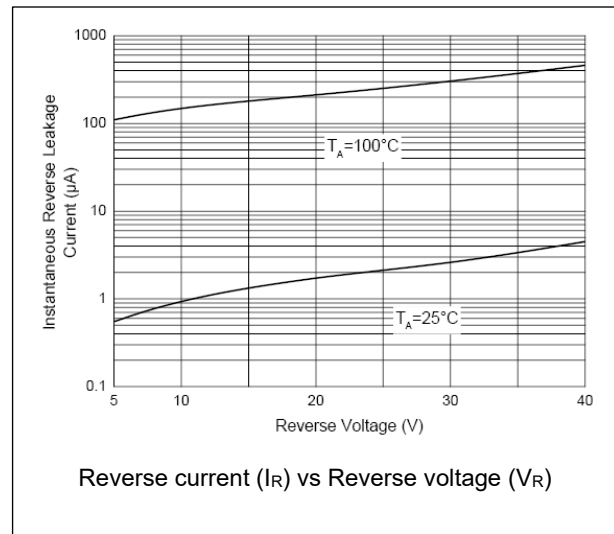
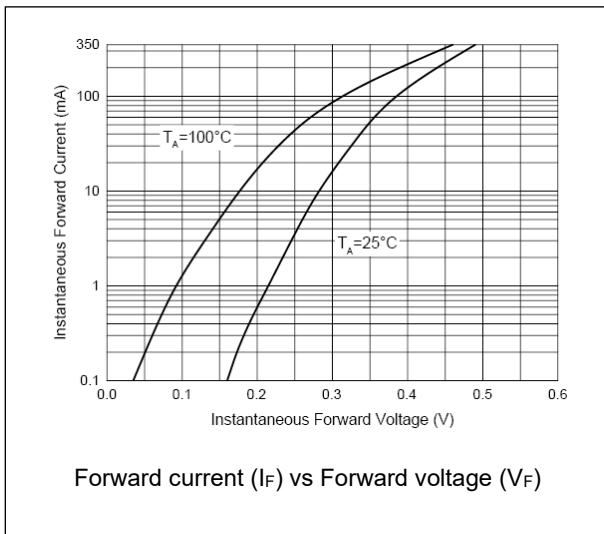
Cathode  Anode

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
Average Rectified Output Current	I_O	350	mA
Non-Repetitive Peak Forward Surge Current (@t=8.3ms)	I_{FSM}	2	A
Power Dissipation	P_{TM}	200	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55 to +150	°C

THERMAL CHARACTERISTICS (TA = 25 °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	625	°C/W

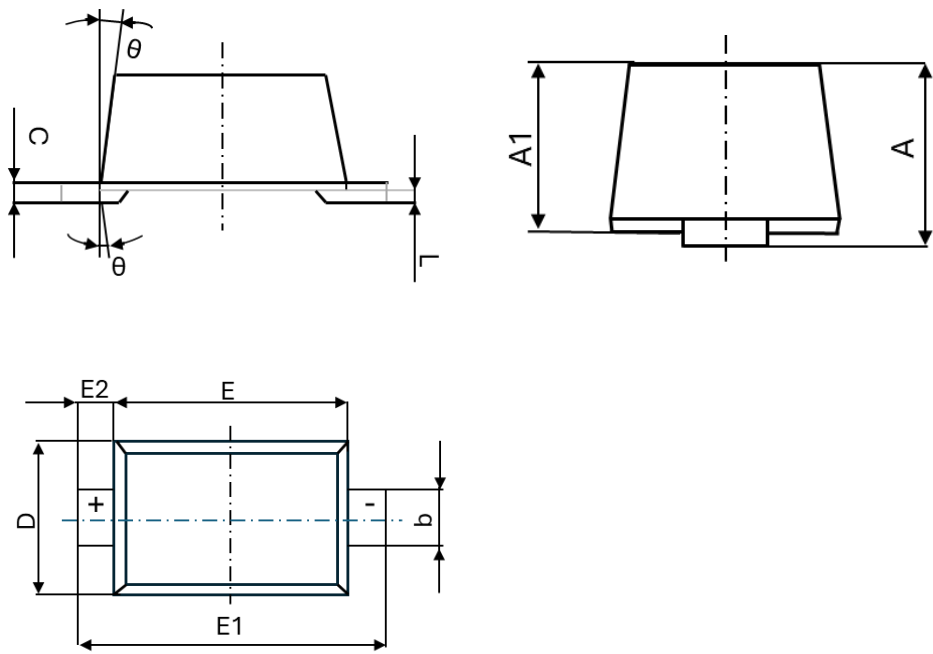
ELECTRICAL CHARACTERISTICS (TA = 25 °C unless otherwise noted)						
PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	$I_F = 1mA$			0.37	V
Reverse Current	I_R	$V_R = 30V$			5.0	uA
Capacitance	C_T	$V_R = 0V, f = 1MHz$			50.0	pF
Reverse Recovery Time	t_{rr}	$I_F = I_R = 200mA, I_{rr} = 0.1 \cdot I_R, R_L = 100 \Omega$		10		ns

RATING AND CHARACTERISTICS CURVES



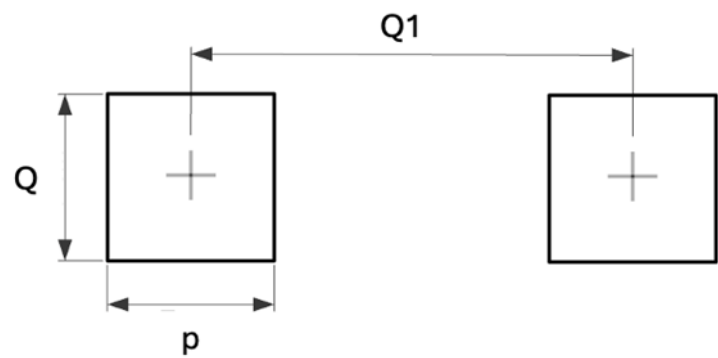
PACKAGE OUTLINE DIMENSIONS

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Symbol	MIN	MAX
A	0.51	0.77
A1	0.50	0.70
b	0.25	0.35
c	0.08	0.15
D	0.75	0.85
E	1.10	1.30
E1	1.50	1.70
E2	0.20REF.	
L	0.01	0.07
θ	7°REF.	
Unit: mm		

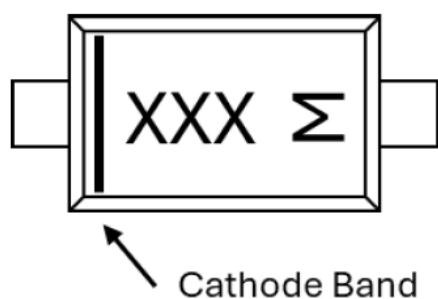
SUGGESTED PAD LAYOUT



Symbol	Type
Q1	1.42
Q	0.7
p	0.6
Unit: mm	

DEVICE MARKING CODE AND ORDERING INFORMATION

DEVICE	Marking	Quantity	Packing
SD103AX	S4	8000/7"Reel	Tape & Reel



XXX: Product Marking Code

Σ : Date Code (Rotate 90° counterclockwise)

Odd Year	Even Year
1	E
2	F
3	H
4	J
5	K
6	L
7	N
8	P
9	U
T	X
V	Y
C	Z

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