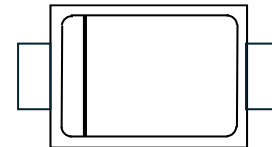


FEATURES AND BENEFITS

Product Summary		
I_F	100mA	@25 °C
V_F	0.35V	@10mA
V_{RRM}	30V	@25 °C

- Low Forward Voltage Schottky Rectifier
- 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: 0.0005 grams (Approximate)

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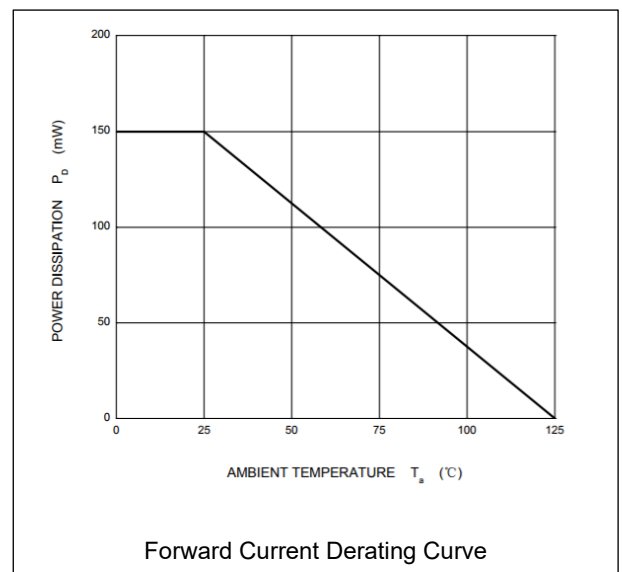
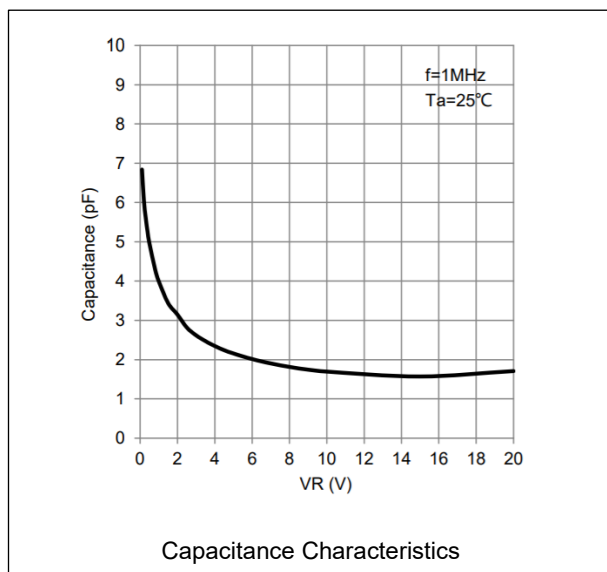
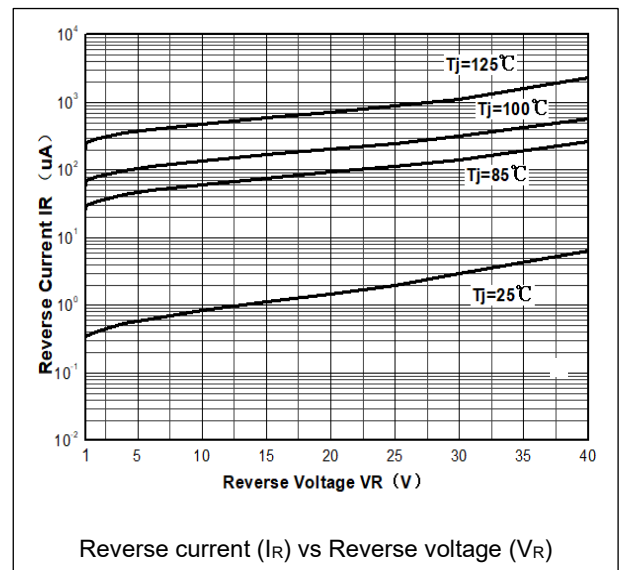
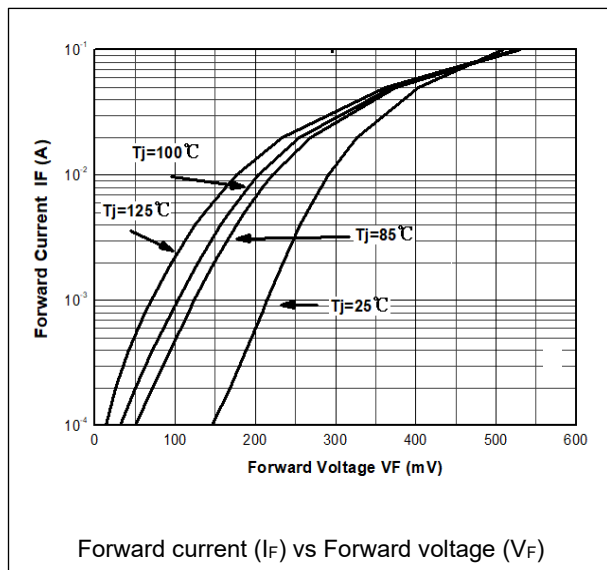


Cathode  Anode

Maximum Ratings (TA = 25 °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Working Reverse Voltage	V_{RWM}	30	V
Forward Current	I_F	100	mA
Non-Repetitive Peak Forward Surge Current (@t=8.3ms)	I_{FSM}	500	mA
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55 to +125	°C

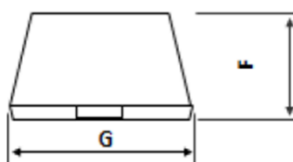
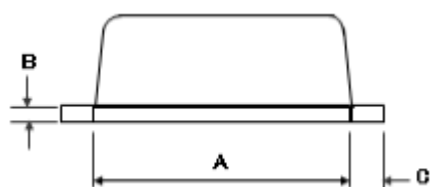
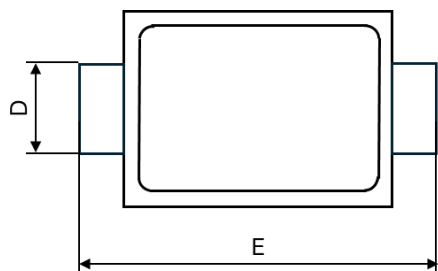
ELECTRICAL CHARACTERISTICS (TA = 25 °C unless otherwise noted)						
PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	$I_F = 10\text{mA}$			0.35	V
		$I_F = 20\text{mA}$			0.40	
Reverse Current	I_R	$V_R = 10\text{V}$			10	μA
		$V_R = 30\text{V}$			50	

RATING AND CHARACTERISTICS CURVES



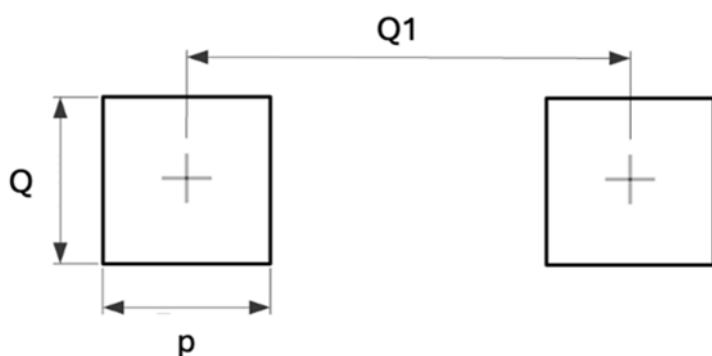
PACKAGE OUTLINE DIMENSIONS

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Symbol	MIN	MAX
A	0.70	0.90
B	0.05	0.20
C	0.05	0.15
D	0.15	0.30
E	0.90	1.10
F	0.39	0.45
G	0.55	0.65
Unit: mm		

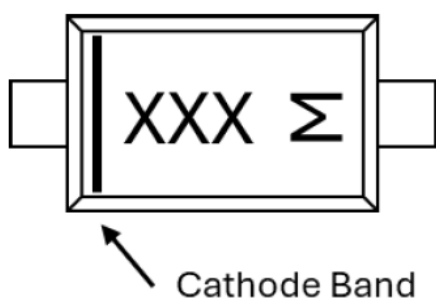
SUGGESTED PAD LAYOUT



Symbol	Typ
Q1	1.40
Q	0.45
p	0.45
Unit: mm	

DEVICE MARKING CODE AND ORDERING INFORMATION

DEVICE	Marking	Quantity	Packing
RB521M9-30	F9	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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