

Small Signal Product

Low VF SMD Schottky Barrier Diode

FEATURES

- Low power loss, high current capability, low VF
- Surface mount device type
- Moisture sensitivity level (MSL): 1
- Packing code with suffix "G" means green compound (halogen-free)



SOD-723F



MECHANICAL DATA

- Case: Flat lead SOD-723F small outline plastic package
- Terminal: Matte tin plated, lead free, solderable per MIL-STD-202, Method 208 guaranteed
- High temperature soldering guaranteed : 260°C/10s
- Polarity: Indicated by cathode band
- Weight: 0.847 ± 0.5 mg
- Marking Code: F



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V _R	30	V
Mean Forward Current	I _{F(AV)}	0.1	A
Non-Repetitive Peak Forward Surge Current (8.3ms)	I _{FSM}	0.5	A
Junction Temperature	T _J	125	°C
Storage Temperature Range	T _{STG}	-40 to +125	°C

PARAMETER	SYMBOL	MIN	MAX	UNIT
Forward Voltage I _F = 10 mA	V _F	-	0.45	V
Reverse Leakage V _R = 10 V	I _R	-	0.50	μA

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RATINGS AND CHARACTERISTICS CURVES

($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Fig. 1 Forward Characteristics

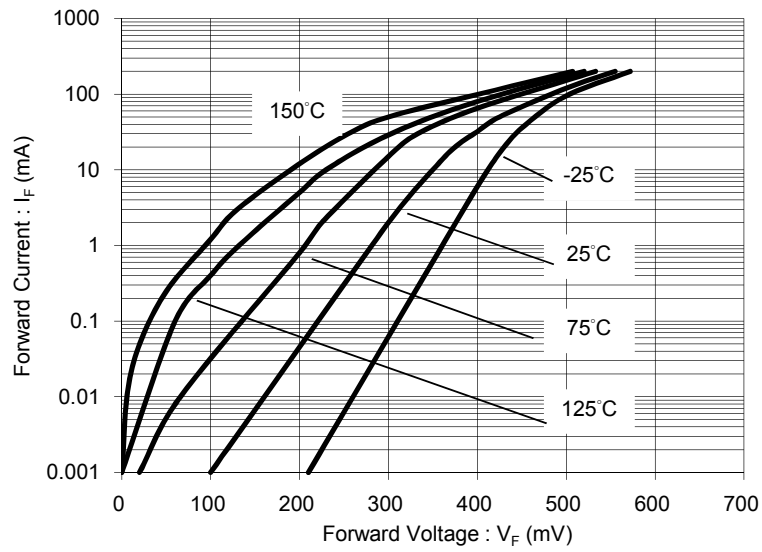


Fig. 2 Reverse Characteristics

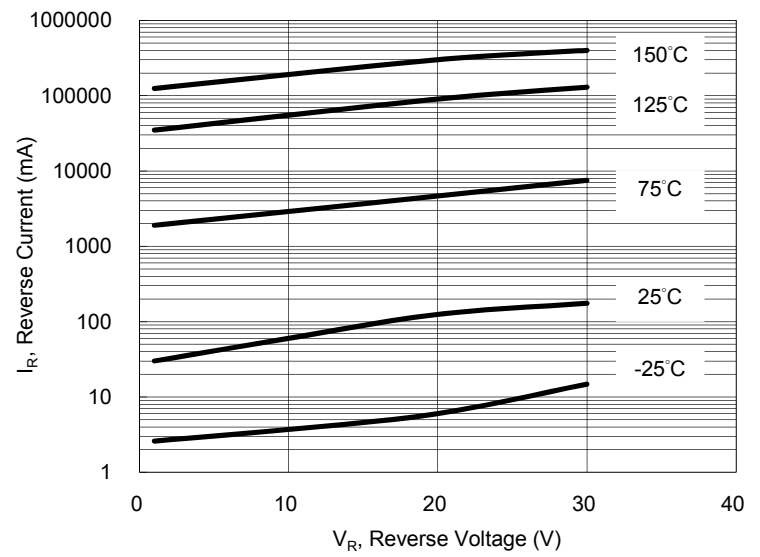
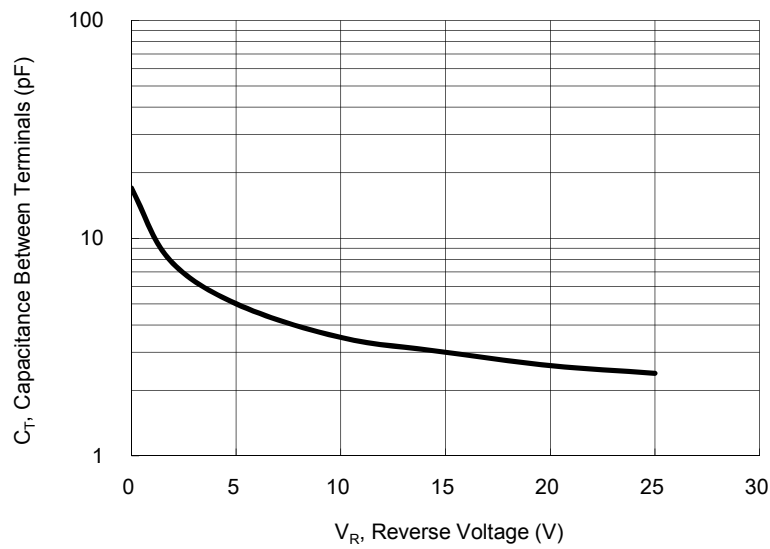


Fig. 3 Capacitance Between Terminals Characteristics



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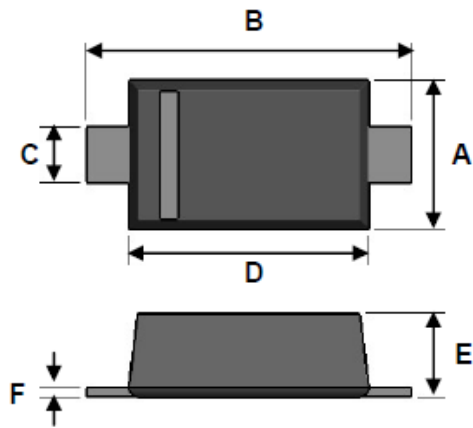
ORDERING INFORMATION					
PART NO.	PART NO. SUFFIX (Note 1)	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING
RB520G-30	-xx	RL	G	SOD-723F	5,000 / 7" Reel

Note 1: Part No. Suffix „-xx “ would be used for special requirement

EXAMPLE					
PREFERRED P/N	PART NO.	PART NO. SUFFIX	PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION
RB520G-30 RL	RB520G-30		RL		Multiple manufacture source
RB520G-30 RLG	RB520G-30		RL	G	Multiple manufacture source Green compound
RB520G-30-B0 RLG	RB520G-30	-B0	RL	G	Define manufacture source Green compound

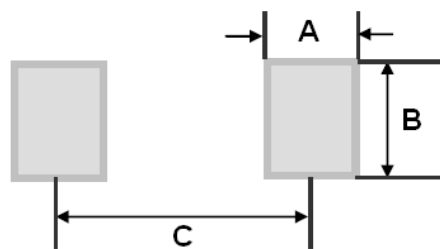
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PACKAGE OUTLINE DIMENSIONS



DIM.	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
A	0.500	0.700	0.020	0.028
B	1.300	1.500	0.051	0.059
C	0.230	0.350	0.009	0.014
D	0.900	1.100	0.035	0.043
E	0.470	0.625	0.019	0.025
F	0.050	0.150	0.002	0.006

SUGGEST PAD LAYOUT



DIM.	Unit (mm)	Unit (inch)
	Typ.	Typ.
A	0.50	0.020
B	0.80	0.031
C	1.10	0.043

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