

Small Signal Product

High Speed SMD Switching Diode

FEATURES

- Fast switching device ($t_{rr} < 4.0\text{ns}$)
- Surface mount device type
- Moisture sensitivity level (MSL): 3
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21



SOD-923F



MECHANICAL DATA

- Case: Flat lead SOD-923F 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
- Marking Code: 7

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Power Dissipation	P _D	100	mW
Peak Reverse Voltage	V _{RM}	90	V
DC Reverse Voltage	V _R	80	V
Peak Forward Current	I _{FM}	225	mA
Mean Rectifying Current	I _O	100	mA
Surge Current (t=1s)	I _{Surge}	500	mA
Junction Temperature	T _J	150	°C
Storage Temperature	T _{STG}	-55 to +150	°C

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST CONDITION	UNIT
Forward Voltage	V _F	-	-	1.2	I _F =100mA	V
Reverse Current	I _R	-	-	0.1	V _R =80V	μA
Capacitance Between Terminals	C _r	-	-	3	V _R =0.5V, f=1MHZ	pF
Reverse Recovery Time	t _{rr}	-	-	4	V _R =6V, I _F =10mA, R _L =100Ω	ns

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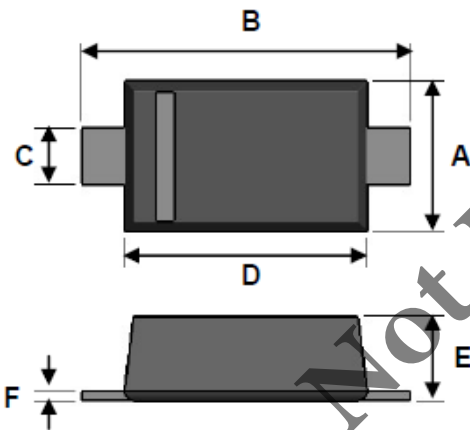
ORDERING INFORMATION				
PART NO.	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING
1SS400CS	RD	G	SOD-923F	8K / 7" Reel

Note: Whole series with green compound

EXAMPLE				
EXAMPLE P/N	PART NO.	PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION
1SS400CS RDG	1SS400CS	RD	G	Green compound

DIMENSIONS

SOD-923F



DIM.	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
A	0.55	0.65	0.022	0.026
B	0.90	1.10	0.035	0.043
C	0.15	0.27	0.006	0.011
D	0.75	0.85	0.030	0.033
E	0.34	0.43	0.013	0.017
F	-	0.15	-	0.006

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Not Recommended

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