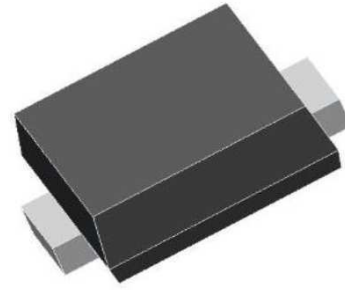


Small Signal Product

High Speed SMD Switching Diode

FEATURES

- Fast switching device ($t_{rr} < 4.0ns$)
- Surface Mount Device Type
- Moisture sensitivity level 1
- Pb free and RoHS compliant
- Green compound (Halogen free) with suffix "G" on packing code and prefix "G" on date code



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 ($T_A=25^\circ C$ unless otherwise noted)			
PARAMETER	SYMBOL	LIMIT	UNIT
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	$V_R=6V, I_F=10mA, R_L=100\Omega$	ns

Small Signal Product

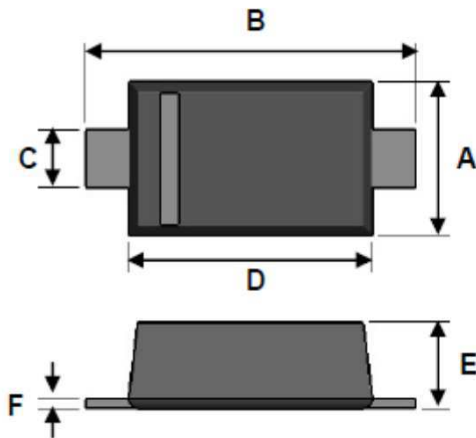
ORDERING INFORMATION					
PART NO.	MANUFACTURE CODE (Note)	PACKING CODE	GREEN COMPOUND CODE	PACKAGE	PACKING
1SS400CS		RT	G	SOD-923F	8K / 7" Reel

Note: Manufacture special control, if empty means no special control requirement.

EXAMPLE					
PREFERRED P/N	PART NO.	MANUFACTURE CODE	PACKING CODE	GREEN COMPOUND CODE	DESCRIPTION
1SS400CS RTG	1SS400CS		RT	G	Green compound
1SS400CS-M0 RTG	1SS400CS	M0	RT	G	Green compound

Small Signal Product

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

PIN CONFIGURATION

