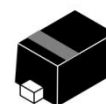


SWITCHING DIODE



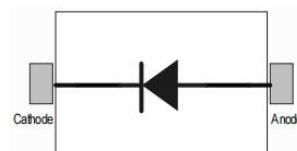
Features and benefits

- Extremely small surface mounting type.
- High Speed.

Application information

- High speed switching

Schematic & Pin configuration



Top view

Ordering information

Device	Package	Marking	Packaging
1SS400CS	SOD923	3	8000/Tape & Reel

Maximum Ratings (T_A = 25 °C, unless otherwise specified)

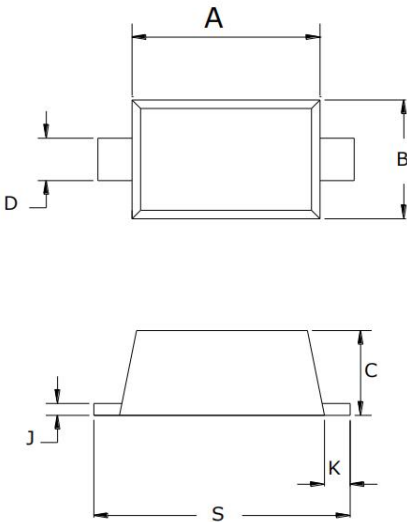
Parameter	Symbol	Value	Unit
Peak reverse voltage	V _{RM}	90	V
DC reverse voltage	V _R	80	V
Peak forward current	I _{FM}	225	mA
Mean rectifying current	I _O	100	mA
Surge current (1s)	I _{SURGE}	500	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

Electrical Characteristics (T_A = 25 °C, unless otherwise specified)

Characteristic	Symbol	Max	Unit
Forward voltage (I _F =100mA)	V _F	1.2	V
Reverse current (V _R =80V)	I _R	0.1	uA
Capacitance between terminals (V _R =0.5V, f=1MHz)	C _T	3	pF
Reverse recovery time (V _R =6V, I _F =10mA, R _L =100Ω)	T _{rr}	4	nS

Package Outline Dimensions

SOD923



SYMBOL	MILLIMETERS	
	MIN	MAX
A	0.74	0.86
B	0.54	0.66
C	0.35	0.45
D	0.14	0.26
K	0.04	0.16
S	0.95	1.10

Soldering Footprint (mm)

