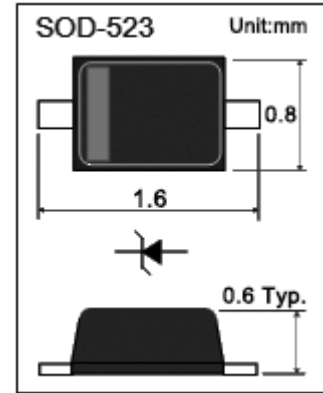


1SS400

- ◇ Fast switching devices
- ◇ **SOD523** Micro SMD package
- ◇ RoHS compliant / Green EMC
- ◇ Matte Tin (Sn) Lead finish
- ◇ Cathode Band / Device marking
- ◇ Surface Mount Package Ideally Suited for Automatic Insertion
- ◇ For General Purpose Switching Applications
- ◇ High Conductance

Device Marking Code	
1SS400	A



Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
VR	DC Reverse Voltage	80	V
V _{RM}	Peak Reverse Voltage	90	V
I _{FM}	Forward Continuous Current	225	mA
I _o	Average Rectified Output Current	100	mA
I _{surge}	Surge Current(1s)	500	mA
P _{ToT}	Total Power Dissipation	150	mW
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Max	Units
V _F	Forward Voltage	I _F = 100mA (25°C)		1.2	V
I _R	Reverse current	V _R = 80V (25°C)		0.1	μA
C _T	Capacitance	V _R = 0.5V, f = 1MHz		3.0	pF
t _{rr}	Reverse Recovery Time	I _F = I _R = 10mA, I _{RR} = 1mA, R _L = 100Ω		4	ns

Characteristics Curves

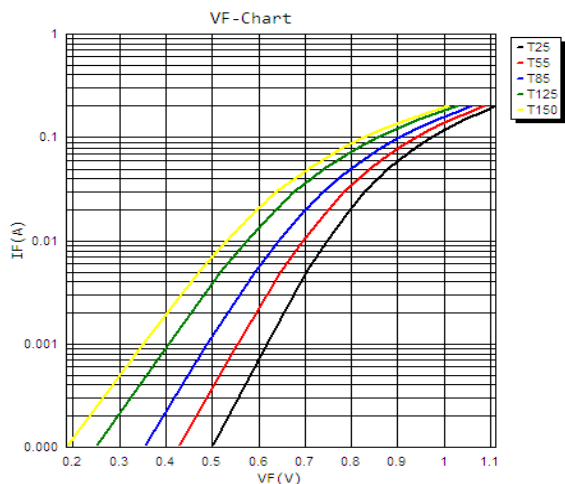


Fig.2 Forward current(IF) vs Forward voltage(VF)

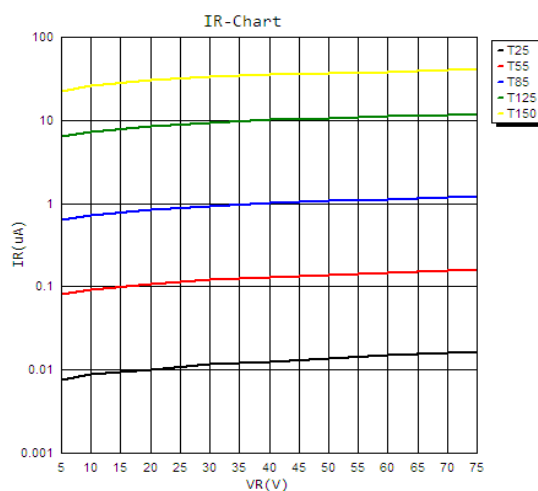


Fig.3 Reverse current(IR) vs Reverse voltage(VR)

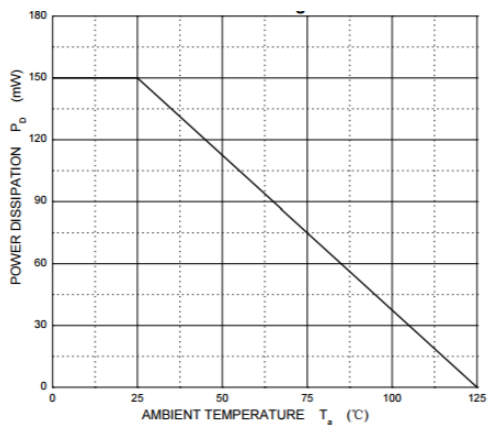


Fig.4 Power Derating Curve

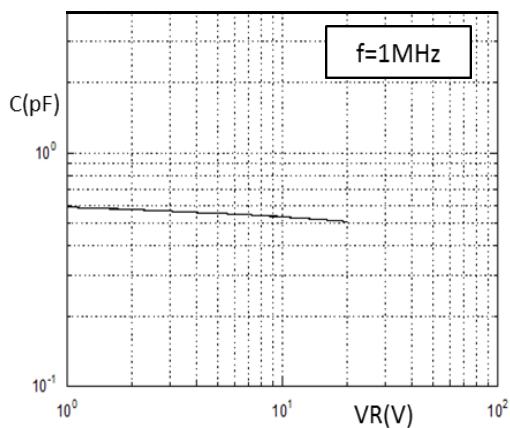


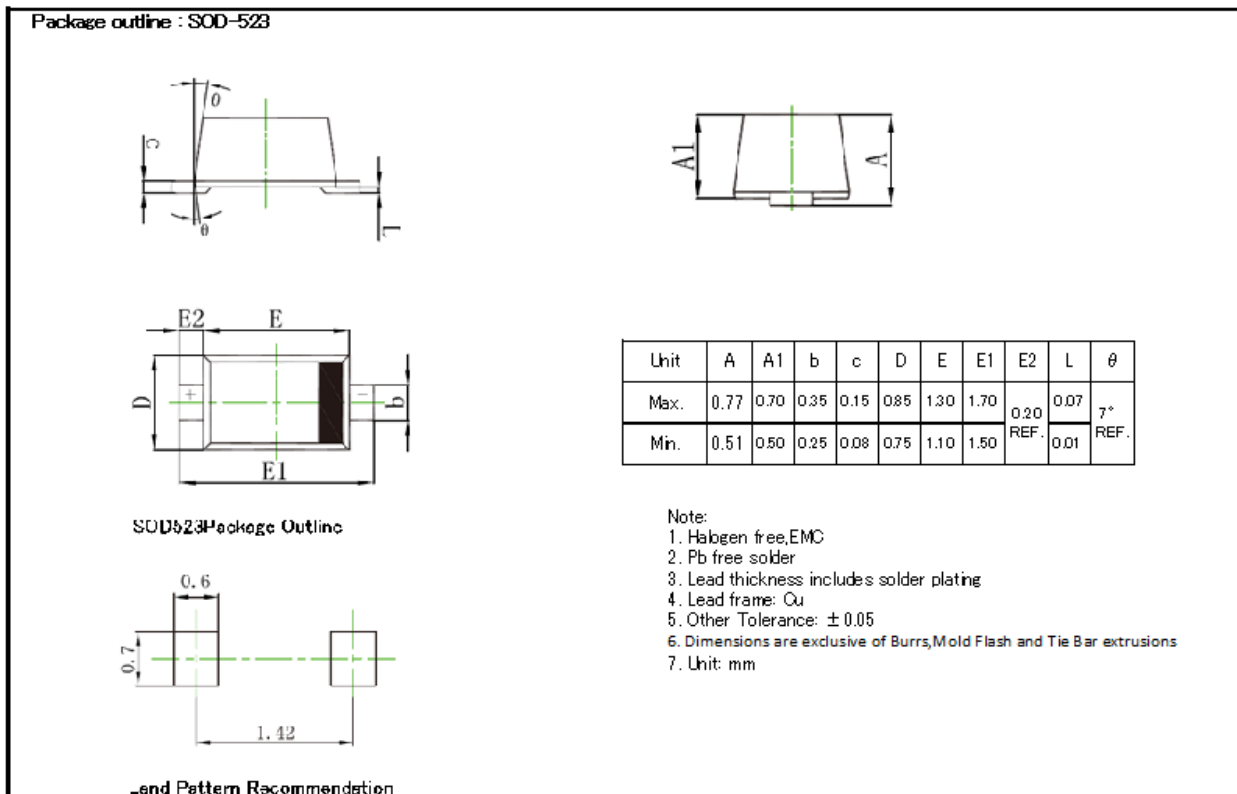
Fig.5 Capacitance vs Reverse voltage(VR)

1SS400

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
1SS400	SOD523	Tape & Reel 8000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions



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