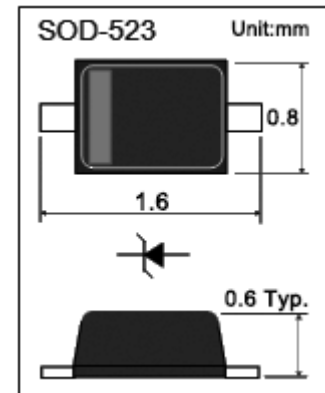


## FAST SWITCHING DIODE / DATA SHEET

### 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	
<b>1SS400</b>	<b>A</b>



### Maximum Ratings (Ta = 25 °C)

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

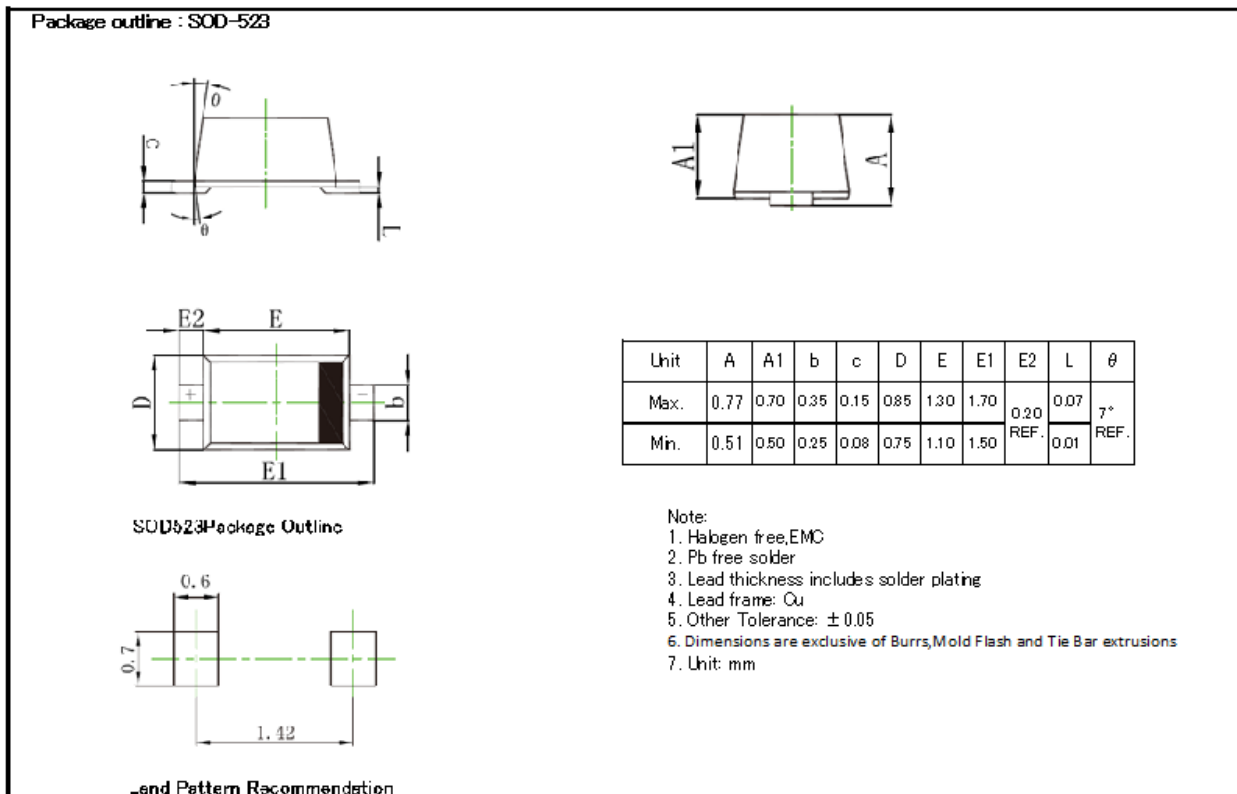
### Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Max	Units
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> = 100mA (25°C)		1.2	V
I <sub>R</sub>	Reverse current	V <sub>R</sub> = 80V (25°C)		0.1	μA
C <sub>T</sub>	Capacitance	V <sub>R</sub> = 0.5V, f = 1MHz		3.0	pF
t <sub>rr</sub>	Reverse Recovery Time	I <sub>F</sub> = I <sub>R</sub> = 10mA, I <sub>RR</sub> = 1mA, R <sub>L</sub> = 100Ω		4	ns

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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