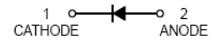


### Features

- High speed and high reliability

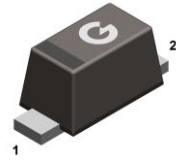
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### Mechanical Data

- Case: SOD-723
- Molding Compound: UL Flammability Classification Rating 94V-0
- Terminals: Matte tin-plated leads; solderability-per MIL-STD-202, Method 208



SOD-723

### Ordering Information

Part Number	Package	Shipping Quantity	Marking Code
1SS400G	SOD-723	10000 pcs / Tape & Reel	A

### Maximum Ratings (@ T<sub>A</sub> = 25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V <sub>RM</sub>	90	V
DC Blocking Voltage	V <sub>R</sub>	80	V
Average Rectified Output Current	I <sub>o</sub>	100	mA
Forward Current	I <sub>FM</sub>	225	mA
Peak Forward Surge Current, 1s Single Half-sine-wave	I <sub>FSM</sub>	0.5	A

### Thermal Characteristics

Parameter	Symbol	Value	Unit
Power Dissipation	P <sub>D</sub>	100	mW
Operating Junction Temperature Range	T <sub>J</sub>	-55 ~ +150	°C
Storage Temperature Range	T <sub>STG</sub>	-55 ~ +150	°C

### Electrical Characteristics (@ $T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F = 100\text{mA}$	-	-	1.2	V
Maximum Peak Reverse Current	$I_R$	$V_R = 80\text{V}$	-	-	0.1	$\mu\text{A}$
Total Capacitance	$C_J$	$V_R = 0.5\text{V}, f = 1.0\text{MHz}$	-	-	3	pF
Reverse Recovery Time	$t_{rr}$	$I_F = 10\text{mA}, V_R = 6\text{V}$ $R_L = 100\Omega$	-	-	4	ns

### Ratings and Characteristic Curves (@ $T_A = 25^\circ\text{C}$ unless otherwise specified)

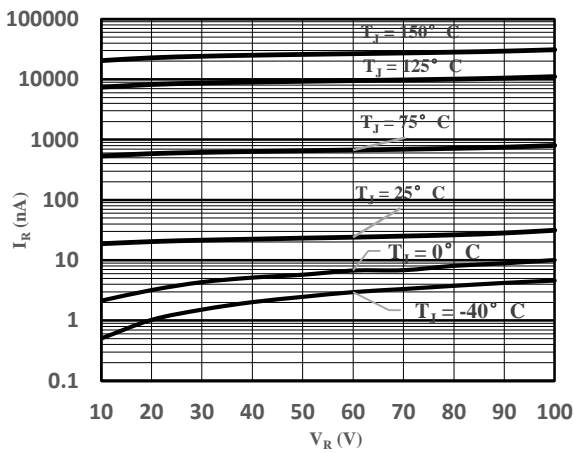


Fig 1 Typical Reverse Characteristic

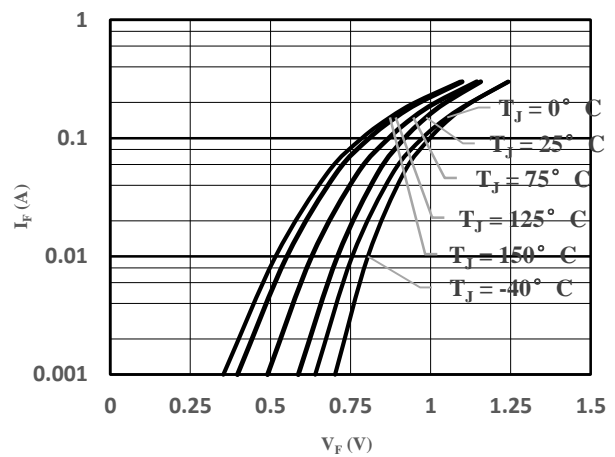


Fig 2 Typical Forward Characteristics

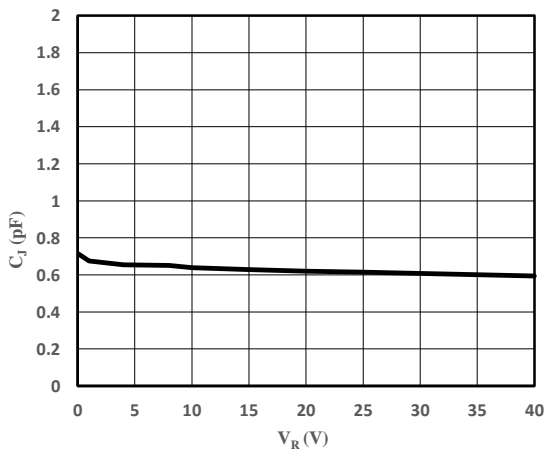


Fig 3 Capacitance vs. Reverse Voltage

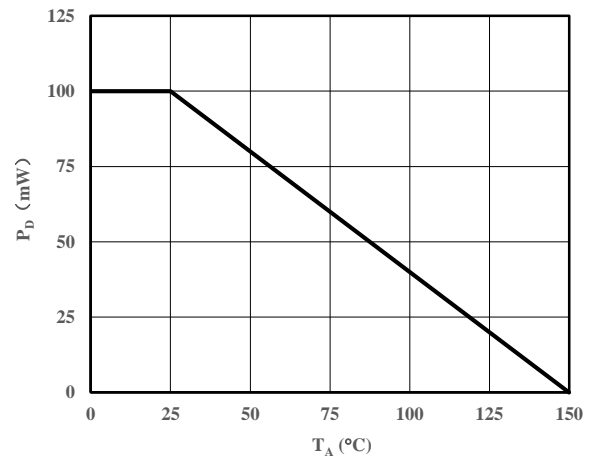
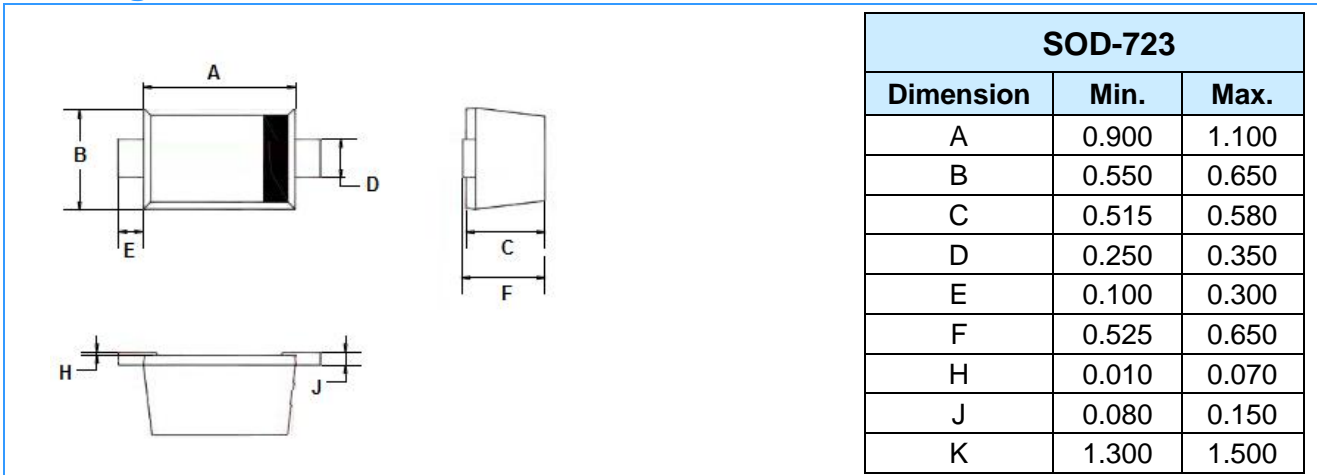
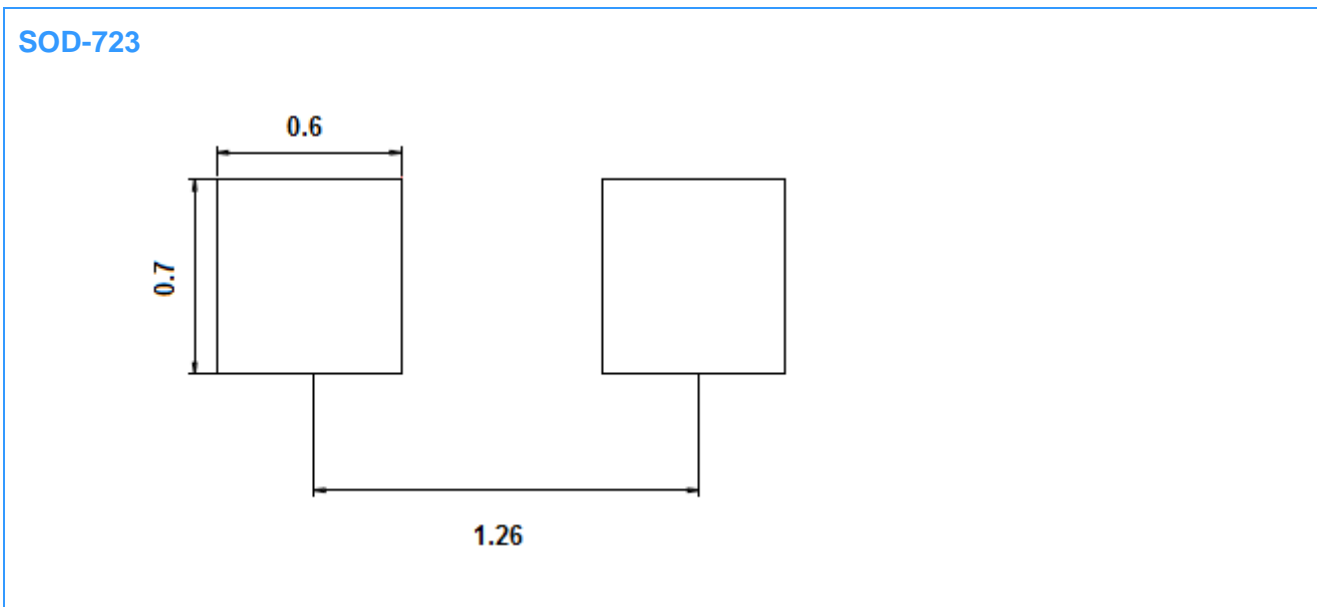


Fig 4 Power Derating Curve

**Package Outline Dimensions** (Unit: mm)



**Package Outline Dimensions** (Unit: mm)



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