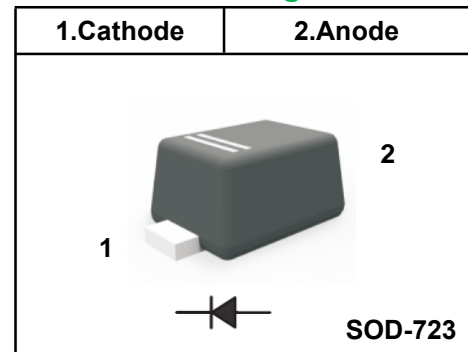


■ Switching Diodes

**FEATURES**

- Small surface mounting type
- High Speed
- High reliability with high surge current handing capability

**Pinning**



**Marking Code**

<b>1N4148TG</b>	<b>A1</b>
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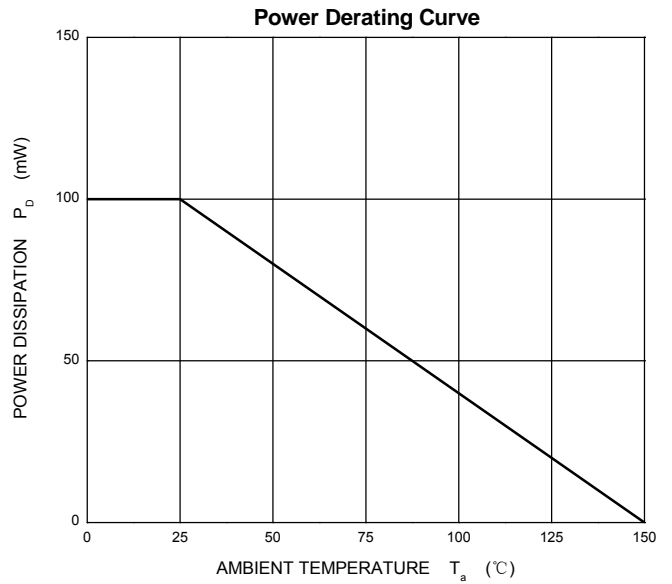
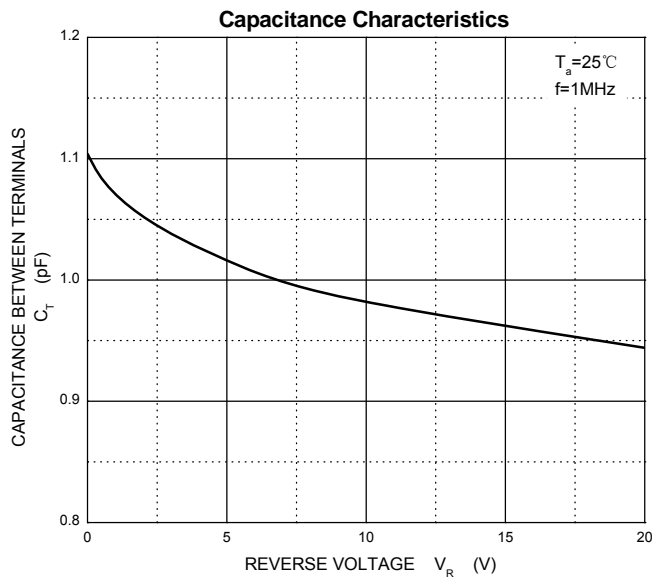
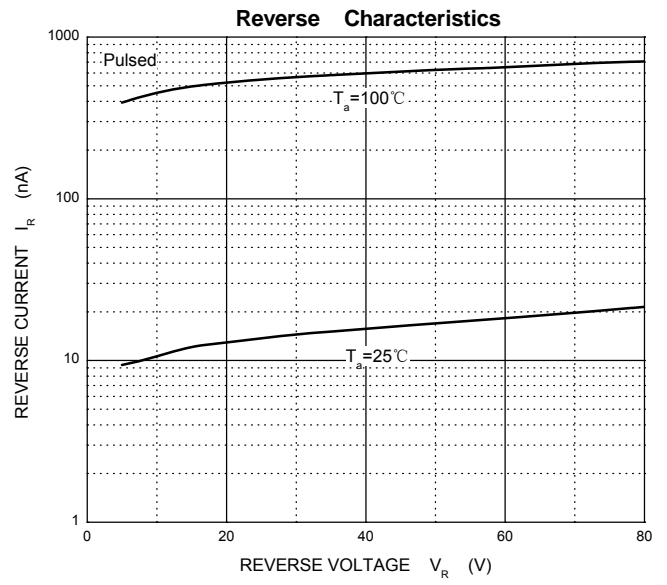
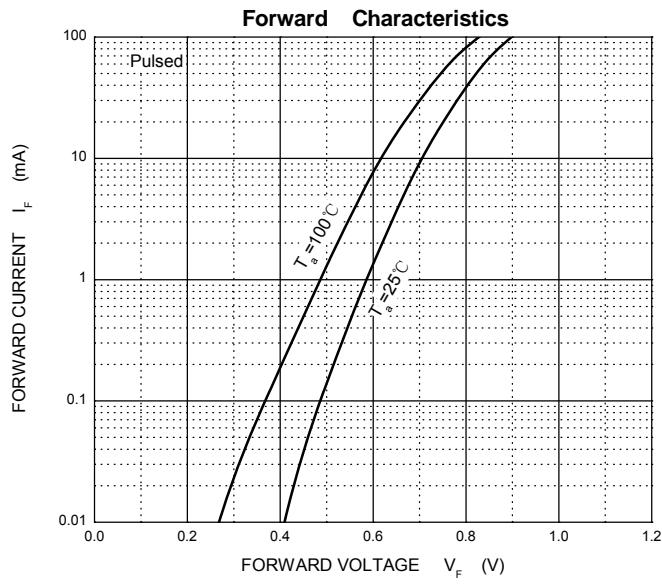
**Absolute Maximum Ratings (Ta = 25°C)**

Parameter	Symbol	Rating	Unit
Peak reverse voltage	V <sub>RM</sub>	90	V
DC reverse voltage	V <sub>R</sub>	80	V
Average forward current	I <sub>o</sub>	100	mA
Peak forward current	I <sub>FM</sub>	225	mA
Surge current (1s)	I <sub>surge</sub>	500	mA
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55 to +125	°C

**Electrical Characteristics at Ta = 25°C**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =100mA			1.2	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =80V			0.1	μ A
Total Capacitance	C <sub>T</sub>	V <sub>R</sub> =0.5V, f=1MHZ			3.0	pF
Reverse recovery time	t <sub>rr</sub>	V <sub>R</sub> =6V, I <sub>F</sub> =10mA, R <sub>L</sub> =100 Ω			4	ns

**Typical Characteristics**



**Ordering information**

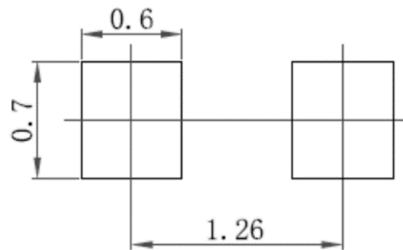
Package	Packing Description	Packing Quantity
SOD-723	Tape/Reel,7"reel	8000PCS/Reel 320000PCS/Carton

**Package Dimensions**

**SOD-723**

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	1.30	1.50	51	59
B	0.90	1.10	35	43
C	0.55	0.65	22	26
D	0.01	0.07	1	3
E	0.25	0.35	10	14
F	0.08	0.15	3	6
G	0.52	0.58	20	23
H	0.53	0.65	21	26

**The recommended mounting pad size**



## Disclaimer

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