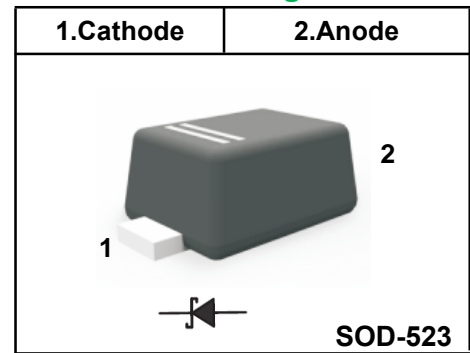


■Schottky Barrier Diode

**Features**

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

**Pinning**



**Marking Code**

<b>RB751S-40</b>	<b>S</b>
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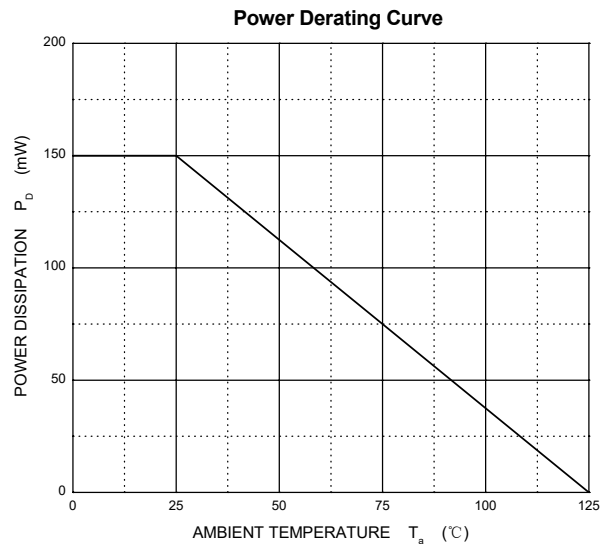
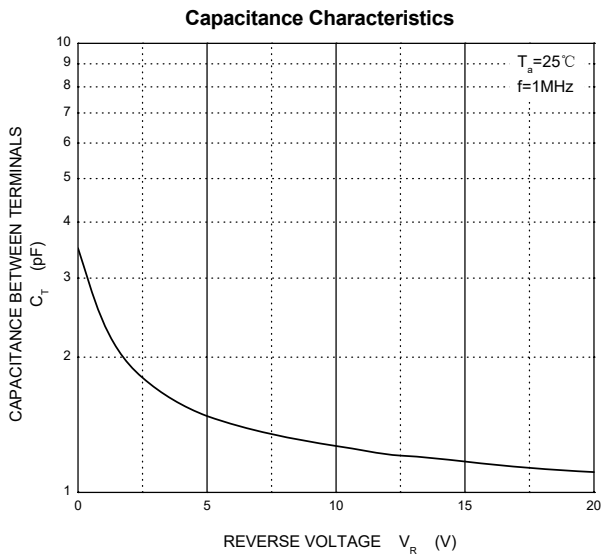
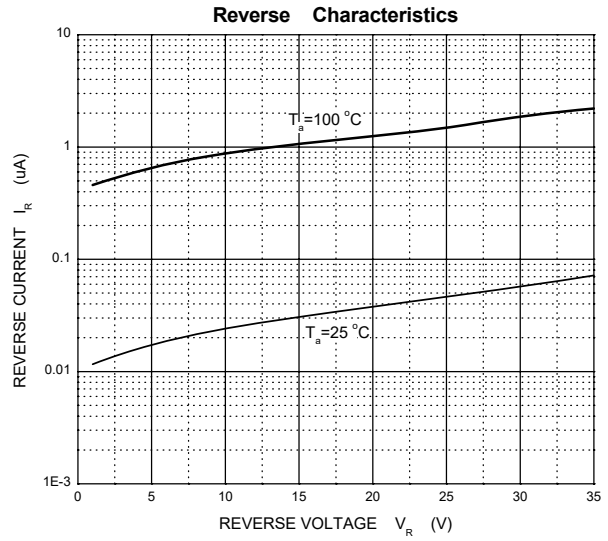
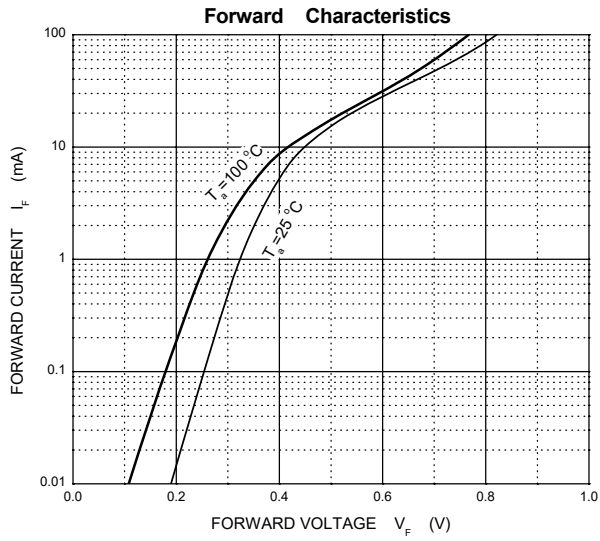
**ABSOLUTE MAXIMUM RATING TA = 25°C**

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	40	V
Reverse Voltage	$V_R$	30	V
Mean Rectifying Current	$I_O$	30	mA
Peak Forward Surge Current (60 Hz, 1 Cycle)	$I_{FSM}$	200	mA
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_s$	- 40 to + 125	°C

**Characteristics TA = 25°C**

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 1$ mA	$V_F$	-	0.37	V
Reverse Current at $V_R = 30$ V	$I_R$	-	0.5	μA
Capacitance Between Terminals at $V_R = 1$ V, $f = 1$ MHz	$C_T$	2	-	pF

Typical characteristics



**Ordering information**

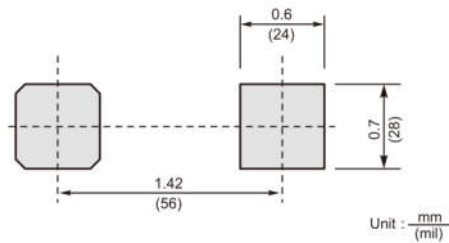
Package	Packing Description	Packing Quantity
SOD-523	Tape/Reel, 7" reel	3000PCS/Reel 120000PCS/Carton

**Package Dimensions**

**SOD-523**

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.51	0.77	20	30
e	0.25	0.35	10	14
C	0.08	0.15	3	6
D	1.10	1.30	43	51
E	0.75	0.99	30	39
HE	1.50	1.70	59	67
N	0.35ref		14ref	
L	0.2ref		8ref	
P	R0.1 ALL ROUND		R4.0 ALL ROUND	
∠	10°			

**The recommended mounting pad size**



## Disclaimer

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