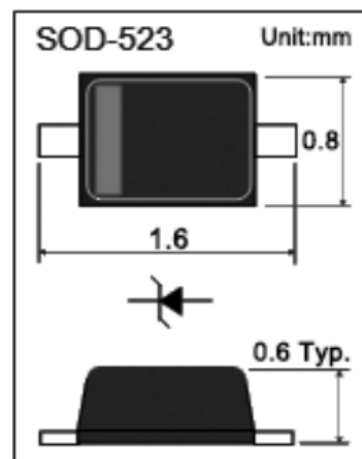


- ◇ Low Forward Voltage Schottky Rectifier
- ◇ RoHS compliant / Green EMC
- ◇ SOD523 Thin SMD package
- ◇ Matte Tin (Sn) Lead finish
- ◇ Cathode Band / Device marking

Device Marking Code	
RB751S-40	51



Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
V _R	Reverse Voltage	30	V
V _{RM}	Peak Reverse Voltage	40	V
I _{FSM}	Peak Forward Surge Current at t=8.3ms	200	mA
I _F	Forward Current	30	mA
P _O	Power Dissipation	200	mW
T _J	Junction Temperature	+125	°C
T _{STG}	Storage Temperature	-55 to +125	°C

*1 8.3 ms single half sine-wave

Electrical Characteristics (Ta = 25 °C)

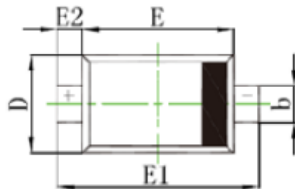
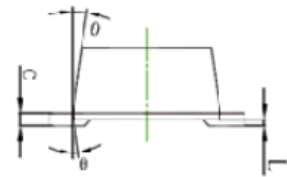
Symbol	Parameter	Conditions	Min	Typ	Max	Units
V _F	Forward Voltage	I _F = 1mA			0.37	V
I _R	Reverse Leakage Current	V _R = 30V			0.5	μA
C _T	Total Capacitance	V _R = 1V, f = 1MHz		3	5	pF

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
RB751S-40	SOD523	5000pcs /7" Reel	8 mm	4 mm	Conductive	

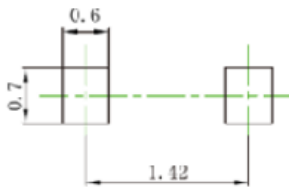
Package Dimensions

Package outline : SOD-523



Unit	A	A1	b	c	D	E	E1	E2	L	θ
Max.	0.77	0.70	0.35	0.15	0.85	1.30	1.70	0.20	0.07	7°
Min.	0.51	0.50	0.25	0.08	0.75	1.10	1.50	REF.	0.01	REF.

SOD523 Package Outline



Lead Pattern Recommendation

Note:

1. Halogen free, EMC
2. Pb free solder
3. Lead thickness includes solder plating
4. Lead frame: Cu
5. Other Tolerance: ± 0.05
6. Dimensions are exclusive of Burrs, Mold Flash and Tie Bar extrusions
7. Unit: mm