



Micro Commercial Components

Micro Commercial Components  
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# RB751G-40

## 40 Volts Schottky Barrier Diode

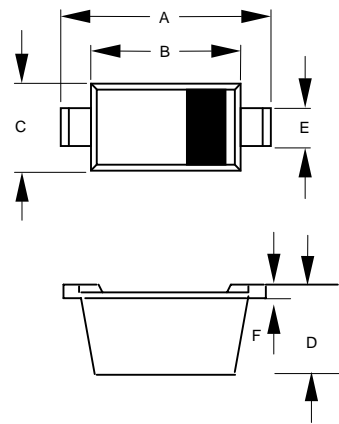
### Features

- Low Voltage, Low Inductance
- High Current Rectifier Schottky Diode
- For Power Supply
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Marking: 5
- Halogen free available upon request by adding suffix "-HF"

### Maximum Ratings

Symbol	Parameter	Rating	Unit
$V_{RM}$	Peak Reverse Voltage	40	V
$V_R$	DC Reverse Voltage	30	V
$I_O$	Mean Rectifying Current	30	mA
$I_{FSM}$	Peak Forward Surge Current	200	mA
$T_J$	Junction Temperature	125	°C
$T_{STG}$	Storage Temperature	-40 to +125	°C

### SOD-723



### Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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#### OFF CHARACTERISTICS

$V_F$	Forward Voltage ( $I_F=1mA_{dc}$ )	---	---	0.37	Vdc
$I_R$	Reverse Current ( $V_R=30V_{dc}$ )	---	---	0.5	$\mu A_{dc}$
$C_T$	Capacitance between Terminals ( $V_R=1V, f=1MHz$ )	---	2	---	pF

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.051	.059	1.30	1.50	
B	.035	.043	0.90	1.10	
C	.022	.026	0.55	0.65	
D	.021	.026	0.525	0.65	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	

● **Electrical characteristic curves** ( $T_a = 25^\circ\text{C}$ )

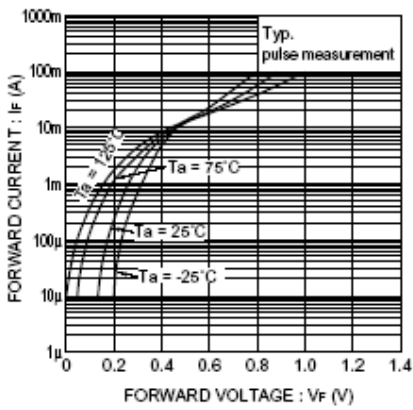


Fig. 1 Forward characteristics

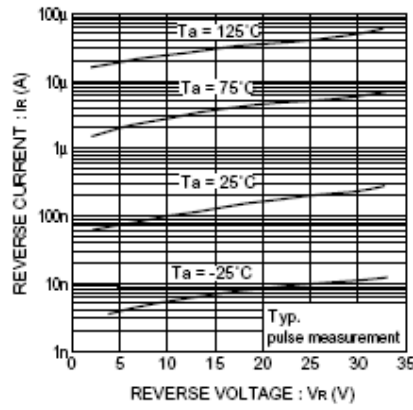


Fig. 2 Reverse characteristics

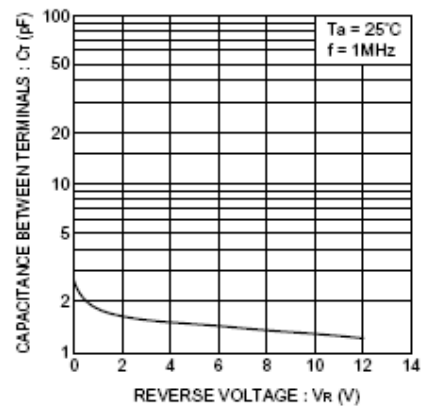


Fig. 3 Capacitance between terminals characteristics



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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