



Micro Commercial Components

Micro Commercial Components  
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**RB751S-40**

## Features

- Halogen free available upon request by adding suffix "-HF"
- 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

## Maximum Ratings

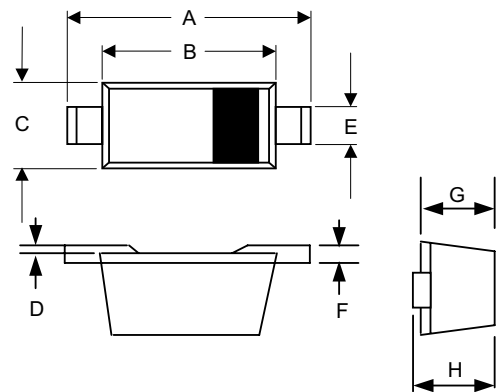
Symbol	Rating	Rating	Unit
$V_{RM}$	Peak Reverse Voltage	40	V
$V_R$	DC Reverse Voltage	30	V
$I_O$	Mean Rectifying Current	30	mA
$I_{FSM}$	Peak Forward Surge Current	200	mA
$T_J$	Junction Temperature	125	°C
$T_{STG}$	Storage Temperature	-55 to +125	°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
<b>OFF CHARACTERISTICS</b>					
$V_F$	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

**40 Volts  
Schottky Barrier Diode**

**SOD-523**



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.043	.051	1.10	1.30	
C	.030	.033	0.75	0.85	
D	.001	.003	0.01	0.07	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
G	.020	.028	0.50	0.70	
H	.020	.031	0.51	0.77	

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

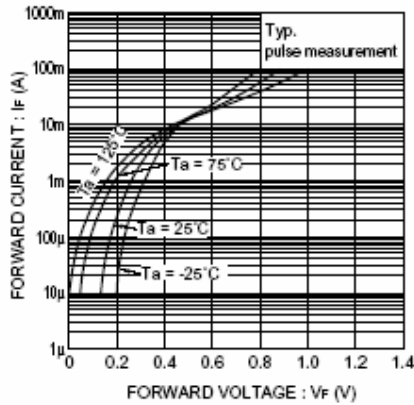


Fig. 1 Forward characteristics

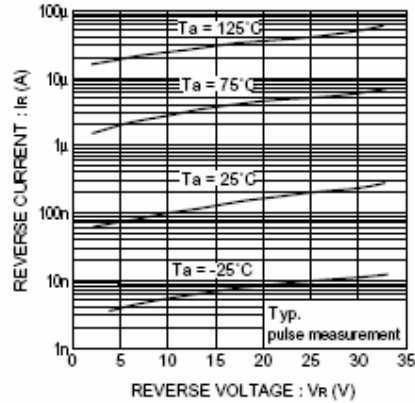


Fig. 2 Reverse characteristics

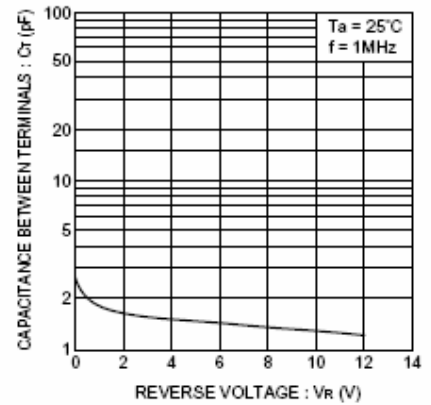


Fig. 3 Capacitance between terminals characteristics

## 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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