



Micro Commercial Components

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RB751S-40DP

40 Volts Schottky Barrier Diode

Features

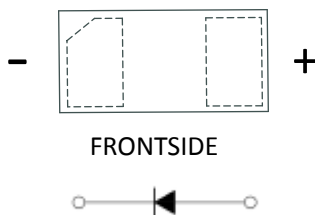
- Halogen free available upon request by adding suffix "-HF"
- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Marking: 5

Maximum Ratings

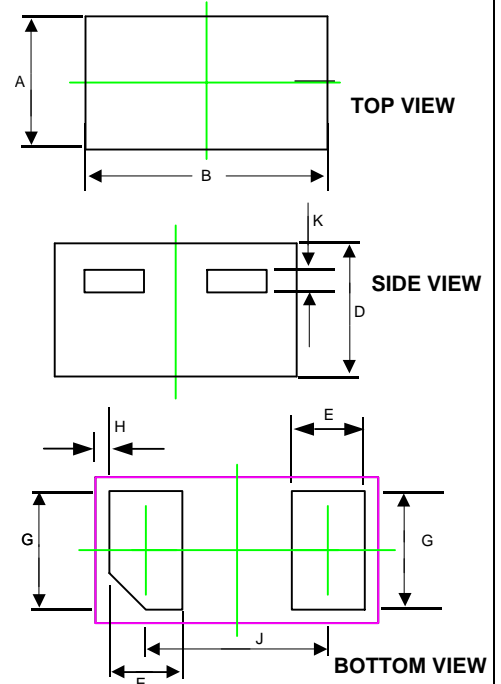
Symbol	Rating	Rating	Unit
V_{RM}	Peak Reverse Voltage	40	V
$V_{R(RMS)}$	RMS Reverse Voltage	28	V
I_O	Mean Rectifying Current	30	mA
I_{FSM}	Non-Repetitive Peak forward Surge Current@t=8.3ms, half sine wave	200	mA
P_d	Power Dissipation	100	mW
R_{thJA}	Thermal Resistance from Junction to Ambient	1000	$^{\circ}C/W$
T_J	Junction Temperature	125	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +125	$^{\circ}C$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
OFF CHARACTERISTICS					
V_F	Forward Voltage ($I_F=1mA$)	---	---	0.37	Vdc
$V_{(BR)}$	Reverse Breakdown Voltage ($I_R=1mA$)	40	---	---	Vdc
I_R	Reverse Current ($V_R=30Vdc$)	---	---	0.5	μA
C_T	Capacitance between Terminals ($V_R=1V, f=1MHz$)	---	2	---	pF

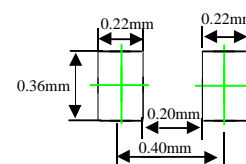


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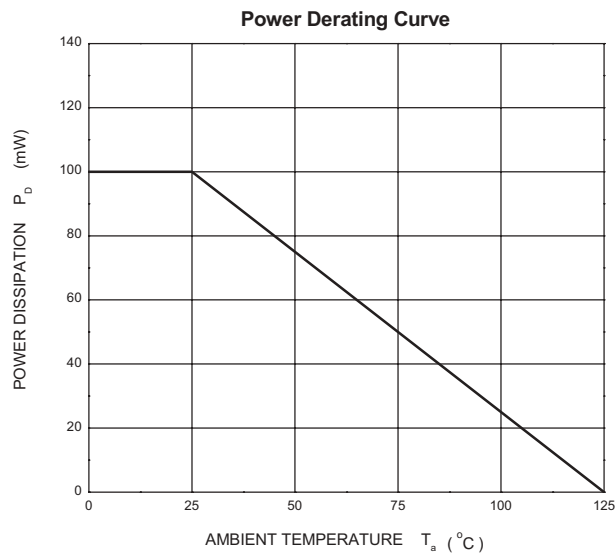
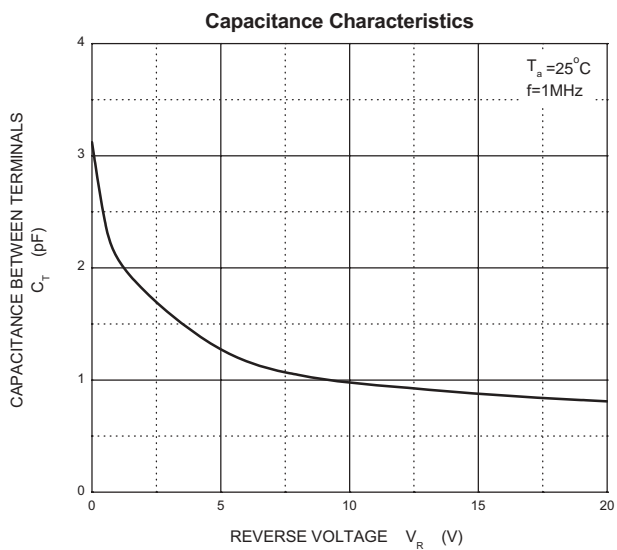
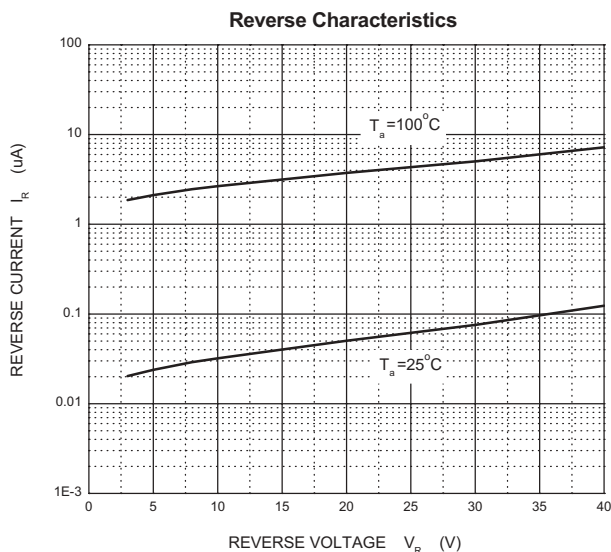
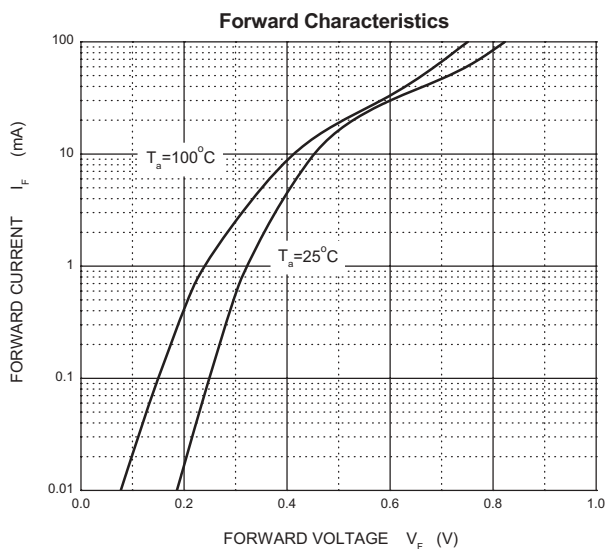


DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	0.011	0.015	0.27	0.37	
B	0.022	0.026	0.57	0.67	
D	0.011	0.013	0.275	0.34	
E	0.005	0.008	0.125	0.195	
G	0.009	0.012	0.225	0.295	
H	0.001 REF.		0.030 REF.		
J	0.014	0.017	0.365	0.435	
K	0.002 REF.		0.050 REF.		

SUGGESTED SOLDER PAD LAYOUT



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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;10Kpcs/Reel

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

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