



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RB751S-40DP

40 Volts Schottky Barrier Diode

Features

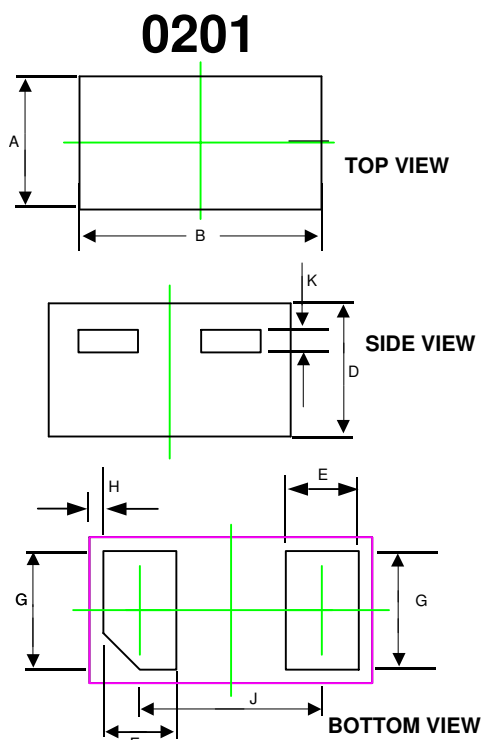
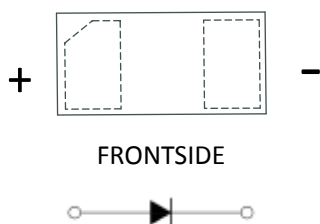
- Halogen free available upon request by adding suffix "-HF"
- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates 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	°C/W
T_J	Junction Temperature	125	°C
T_{STG}	Storage Temperature	-55 to +125	°C

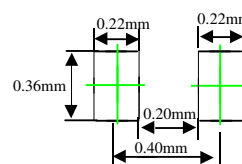
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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	uAdc
C_T	Capacitance between Terminals ($V_R=1V, f=1MHz$)	---	2	---	pF

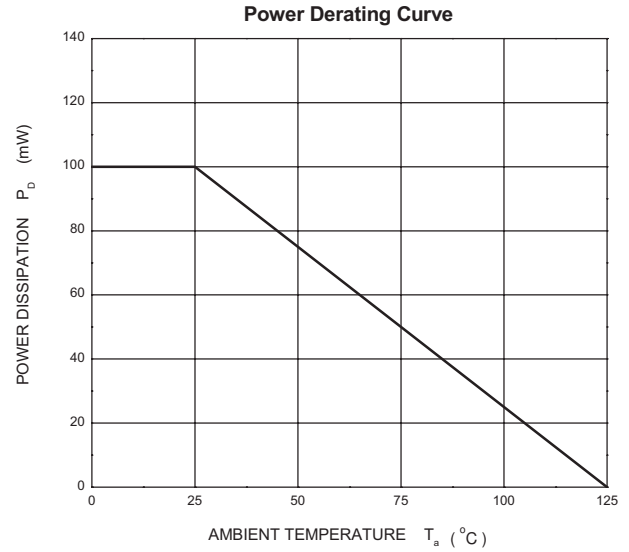
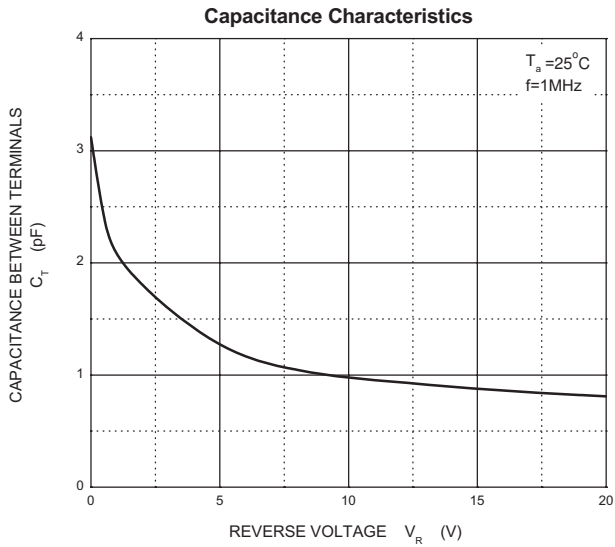
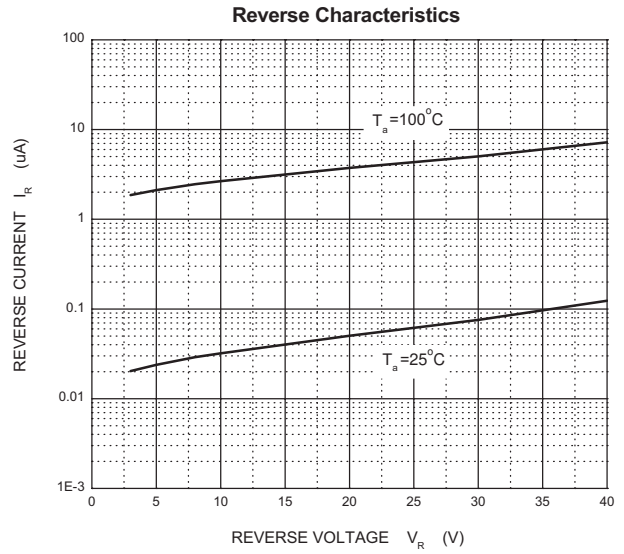
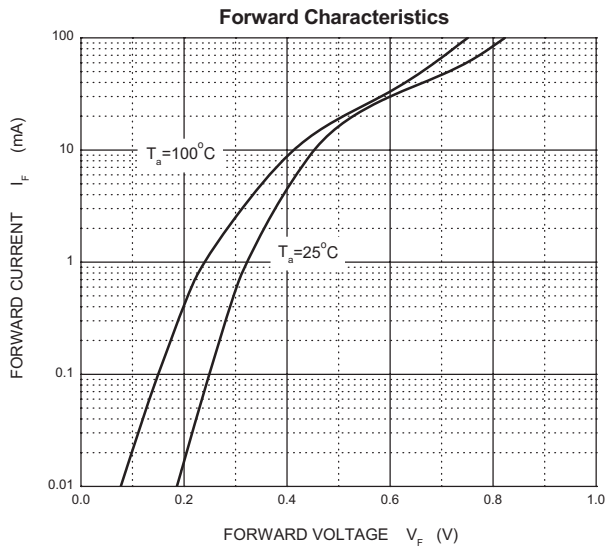


DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	0.011	0.015	0.27	0.37	
B	0.022	0.026	0.57	0.67	
D	0.011	0.013	0.275	0.34	
E	0.005	0.008	0.125	0.195	
G	0.009	0.012	0.225	0.295	
H	0.001	REF.	0.030	REF.	
J	0.014	0.017	0.365	0.435	
K	0.002	REF.	0.050	REF.	

SUGGESTED SOLDER PAD LAYOUT



RB751S-40DP





Micro Commercial Components

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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