



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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Micro Commercial Components



Micro Commercial Components
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RB520S-30EP

Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- High Reliability
- Low Reverse Current and Low Forward Voltage.
- Small Surface Mount Type
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Rating	Rating	Unit
V_R	Repetitive Peak Reverse Voltage	30	V
$V_{R(RMS)}$	RMS Reverse Voltage	21	V
I_O	Mean Rectifying Current	100	mA
I_{FSM}	Non-Repetitive Peak forward Surge Current@t=8.3ms, half sine wave	500	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 +150	$^{\circ}C$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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OFF CHARACTERISTICS

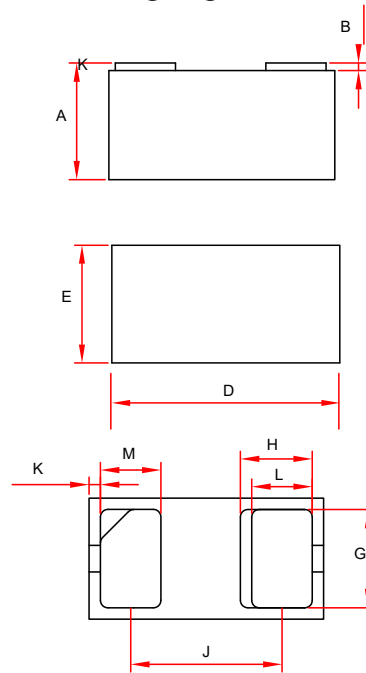
V_F	Forward Voltage ($I_F=10mA$) ($I_F=100mA$)	---	---	0.45 0.85	Vdc Vdc
I_R	Reverse Current ($V_R=10Vdc$) ($V_R=30Vdc$)	---	---	0.3 20	μA μA
$V_{(BR)}$	Reverse Breakdown Voltage ($I_R=50\mu A$)	30	---	---	Vdc

MARKING



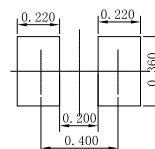
100 mA Schottky Barrier Diode 30 Volts

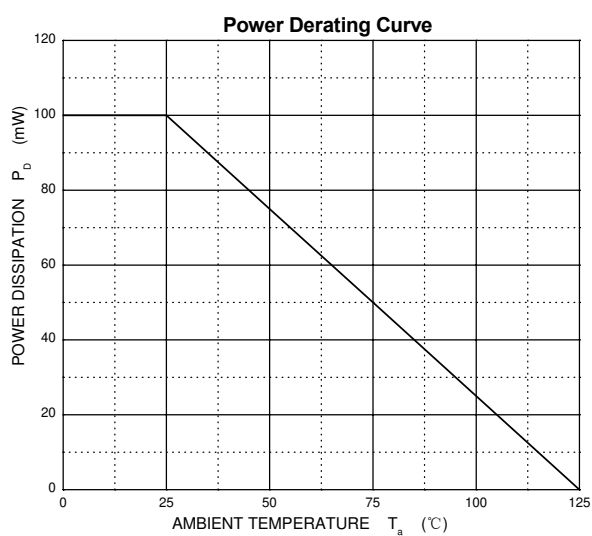
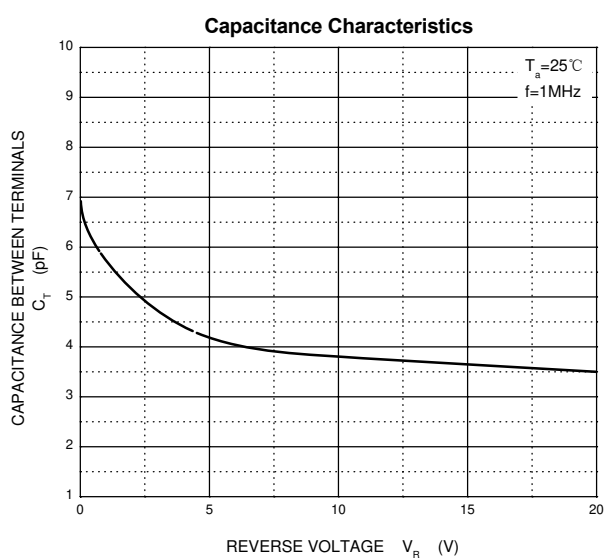
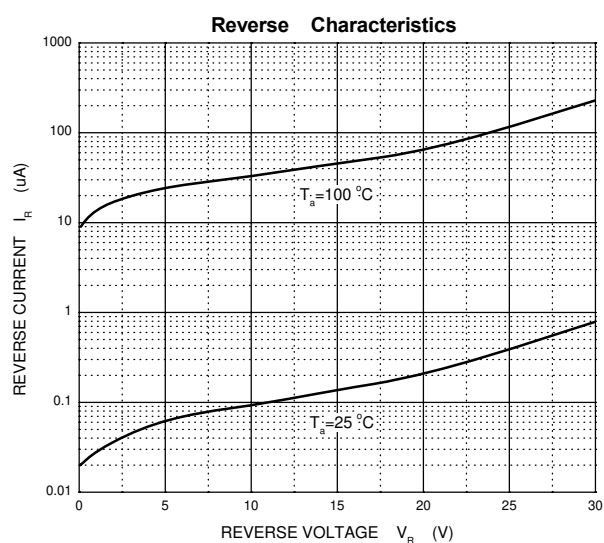
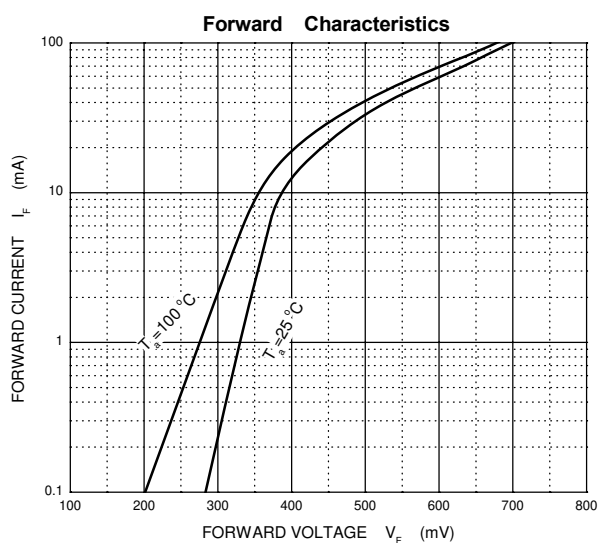
0201-B



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.011	0.013	0.275	0.345	
B	0.000	0.004	0.010	0.090	
D	0.022	0.026	0.570	0.670	
E	0.011	0.015	0.270	0.370	
G	0.009	0.012	0.225	0.295	
H	0.007 REF.		0.190 REF.		
J	0.014	0.017	0.365	0.435	
K	0.001 REF.		0.030 REF.		
L	0.005	0.008	0.125	0.195	
M	0.005	0.008	0.125	0.195	

SUGGESTED SOLDER PAD LAYOUT







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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