



## RB521G-30

### Features

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

**100 mA**  
**Schottky Barrier Diode**  
**30 Volts**

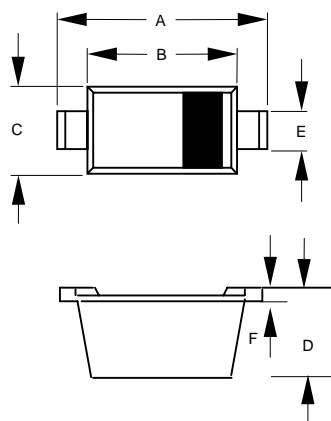
### Maximum Ratings

Symbol	Rating	Rating	Unit
$V_R$	DC Reverse Voltage	30	V
$I_O$	Mean Rectifying Current	100	mA
$I_{FSM}$	Peak Forward Surge Current*	1	A
$T_J$	Junction Temperature	125	°C
$T_{STG}$	Storage Temperature	-40 to +125	°C

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

Symbol	Parameter	Min	Typ	Max	Units
$V_F$	Forward Voltage ( $I_F=10mA$ )	---	---	0.35	Vdc
$I_R$	Reverse Current ( $V_R=10V$ )	---	---	10	uAdc

### SOD-723



DIMENSIONS					
DIM	INCHES		MM		NOTE
	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 (Ta=25°C)

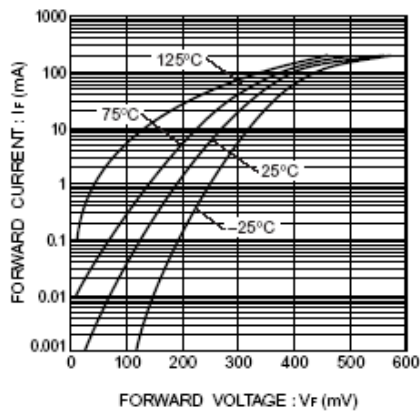


Fig.1 Forward characteristics

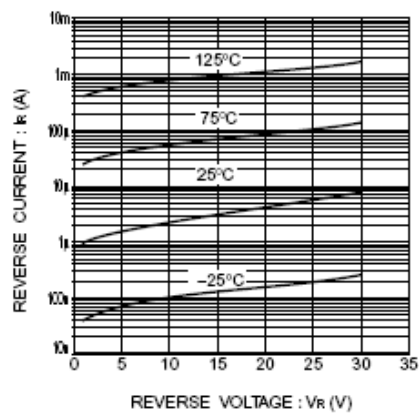


Fig.2 Reverse characteristics

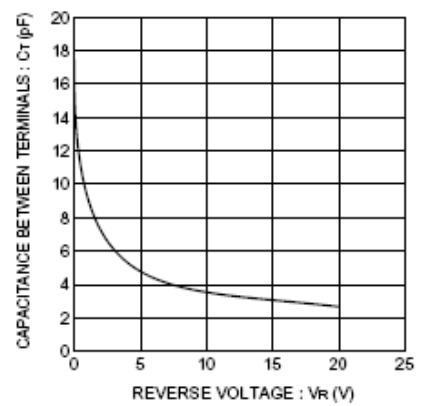


Fig.3 Capacitance between terminals characteristics

## 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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