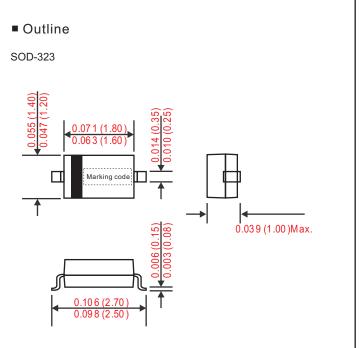
RB751V

30mA Surface Mount Small Signal Diodes

Features

- Low current rectification and high speed switching.
- Extremely small surface mount type.
- Silicon epitaxial planar chip, metal silicon junction.
- Suffix "G" indicates Halogen-free part, ex.RB751VG.
- Lead-free parts meet environmental standards of MIL-STD-19500 /228



Mechanical data

- Epoxy:UL94-V0 rated flame retardant
- Case : Molded plastic, SOD-323
- Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity : Indicated by cathode band
- Weight : 0.0002 ounce, 0.005 gram

Dimensions in inches and (millimeters)

Maximum ratings and electrical characteristics

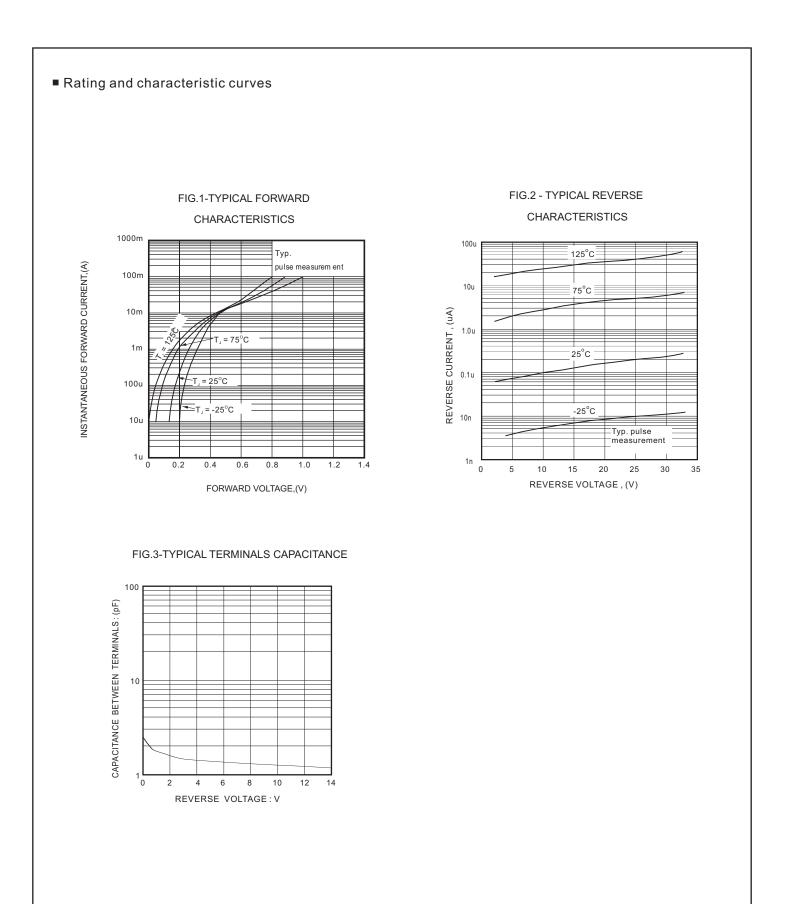
Rating at 25° C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter		Symbol	RB751V					
Marking code			JV					UNIT
Maximum Recurrent Peak Reverse Voltage		V _{RM}	30				V	
Continuous reverse voltage		V _R	30					v
Maximum Instantaneous Forward Voltage@1mA DC		V _F	0.37					V
Power Dissipation		PD	150					mW
Thermal resistance	junction to ambient	R _{eja}		520				
Operating Temperature		T	-40 ~ +125					°C
Storage temperature		T _{STG}	-40 ~ +125					°C
Parameter	Conditions			Symbol	MIN.	TYP.	MAX.	UNIT
Mean rectifying current				I _o			30	mA
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)			I _{FSM}			200	mA
Reverse current	$V_{R} = 30 V DC$			I _R			0.5	uA
Capacitance between terminals	V _R = 10V DC, f = 1MHz			C _T		20		pF



RB751V

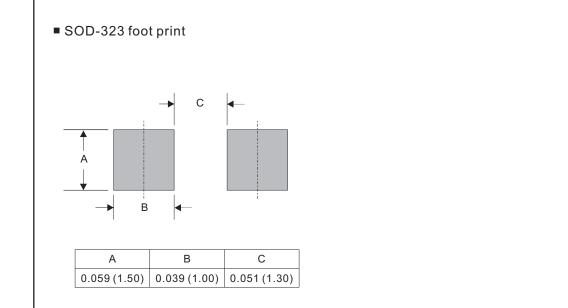
30mA Surface Mount Small Signal Diodes





RB751V

30mA Surface Mount Small Signal Diodes



Dimensions in inches and (millimeters)

- CITC reserves the right to make changes to this document and its products and specifications at any time without notice.
- Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.
- CITC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does CITC assume any liability for application assistance or customer product design.
- CITC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.
- No license is granted by implication or otherwise under any intellectual property rights of CITC.
- CITC products are not authorized for use as critical components in life support devices or systems without express written approval of CITC.

http://www.citcorp.com.tw/ Tel:886-3-5600628 Fax:886-3-5600636 Add:Rm. 3, 2F., No.32, Taiyuan St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.)