Features

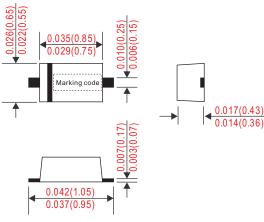
# **RB751D**

### 30mA Surface Mount Small Signal Diodes

### • Low current rectification and high speed switching. SOD-923 • Extremely small surface mount type. • Silicon epitaxial planar chip, metal silicon junction. • Suffix "G" indicates Halogen-free part, ex.RB751DG. · Lead-free parts meet environmental standards of MIL-STD-19500/228 Mechanical data

- Epoxy:UL94-V0 rated flame retardant
- Case : Molded plastic, SOD-923
- Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity : Indicated by cathode band
- Weight : Approximated 0.00044 gram

Outline



#### Dimensions in inches and (millimeters)

#### Maximum ratings and electrical characteristics

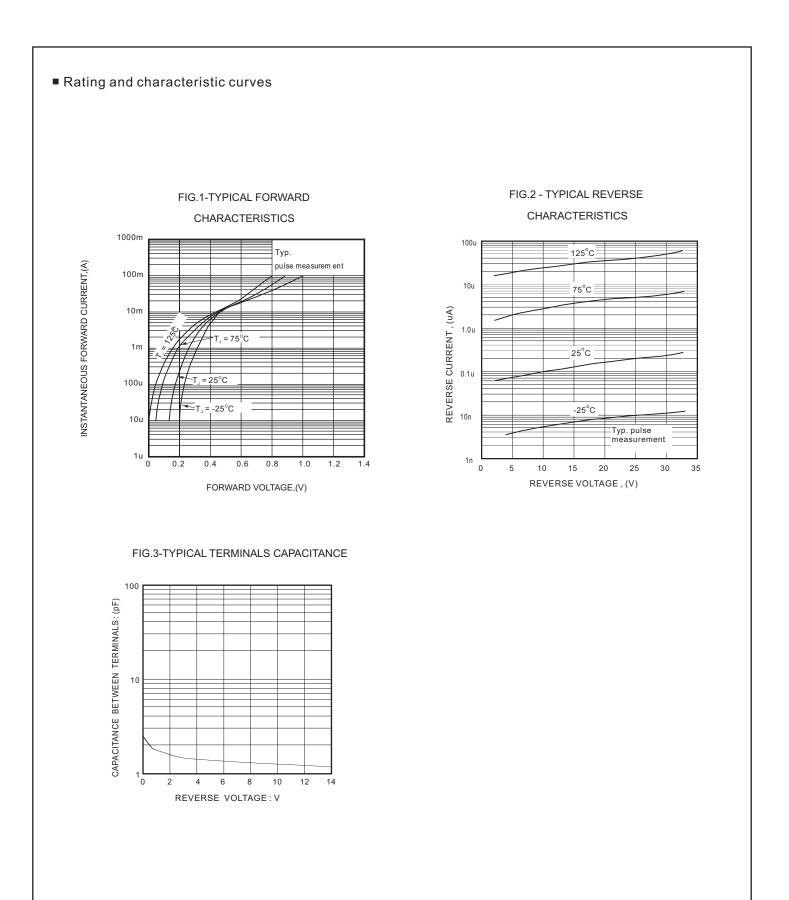
Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter			RB751D					UNIT
Marking code			5					UNIT
Maximum Recurrent Peak Reverse Voltage		V <sub>RM</sub>		30				V
Continuous reverse voltage		V <sub>R</sub>	30					v
Maximum Instantaneous Forward Voltage@1mADC		V <sub>F</sub>	0.37					V
Power Dissipation		P <sub>D</sub>		150				
Thermal resistance	junction to ambient	R <sub>BJA</sub> 520					°C/W	
Operating Temperature		TJ		-40 ~ +125				
Storage temperature		T <sub>stg</sub>	-40 ~ +125					°C
				Quarter	MINI	TVD		
Parameter	Conditions			Symbol	MIN.	TYP.	MAX.	UNIT
Mean rectifying current				I <sub>o</sub>			30	mA
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)			I <sub>FSM</sub>			200	mA
Reverse current	$V_{R} = 30V DC$			I <sub>R</sub>			0.5	uA
Capacitance between terminals	$V_{R} = 1 V DC, f = 1 MHz$			C <sub>T</sub>		2		pF



### **RB751D**

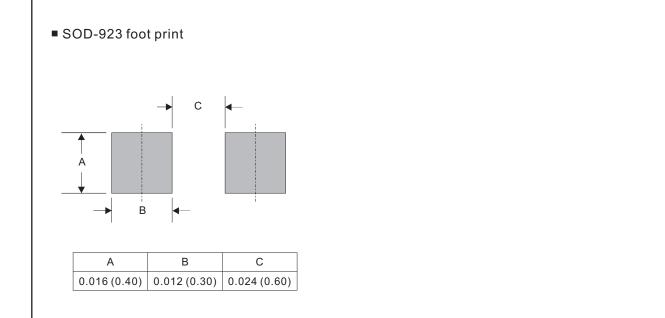
#### 30mA Surface Mount Small Signal Diodes





# **RB751D**

#### 30mA Surface Mount Small Signal Diodes



Dimensions in inches and (millimeters)

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