

**SCHOTTKY DIODES**

**FEATURES**

- \* High current rectifier Schottky diode
- \* Low voltage, low inductance
- \* For power supply

**MECHANICAL DATA**

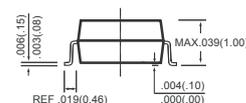
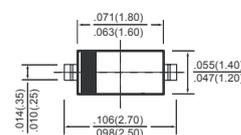
- \* Case: Molded plastic
- \* Epoxy: UL 94V-0 rate flame retardant
- \* Lead: MIL-STD-202E method 208C guaranteed
- \* Mounting position: Any
- \* Weight: 0.004 grams

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

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



**SOD-323**



Dimensions in inches and (millimeters)

MAXIMUM RATINGS (@ $T_A=25^\circ\text{C}$  unless otherwise noted)

RATINGS	SYMBOL	RB751V-40	UNITS
Maximum Peak reverse voltage	$V_{RM}$	40	Volts
Maximum DC reverse voltage	$V_R$	30	Volts
Maximum Peak Forward Surge Current	$I_{FSM}$	0.2	Amps
Mean rectifying current	$I_O$	0.03	Amps
Operating and Storage Temperature Range	$T_J, T_{STG}$	-40 ~ + 125	°C

ELECTRICAL CHARACTERISTICS (@  $T_A = 25^\circ\text{C}$  unless otherwise noted )

CHARACTERISTICS	SYMBOL	MIN.	TYP.	MAX.	UNITS
Reverse voltage leakage current ( $V_R=30\text{V}$ )	$I_R$	-	-	0.5	$\mu\text{A}$
Forward voltage ( $I_F=1\text{mA}$ )	$V_F$	-	-	0.37	V
Diode Capacitance ( $V_R=1\text{V}, f=1\text{MHz}$ )	$C_T$	-	2	-	pF

## RATING AND CHARACTERISTICS CURVES ( RB751V-40 )

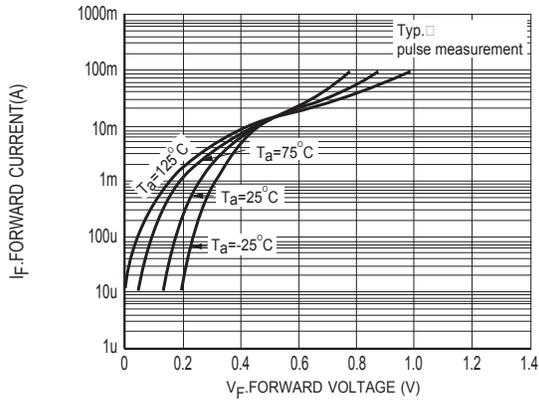


Figure1 Forward characteristics

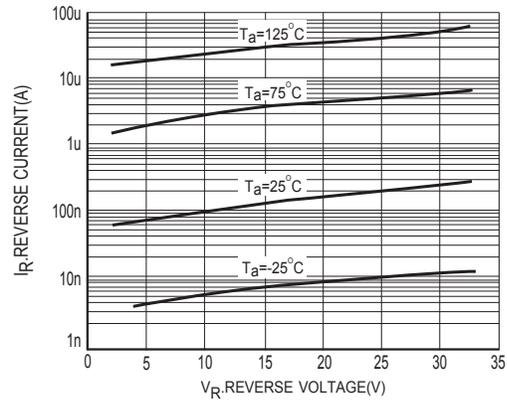


Figure2 Reverse Characteristics

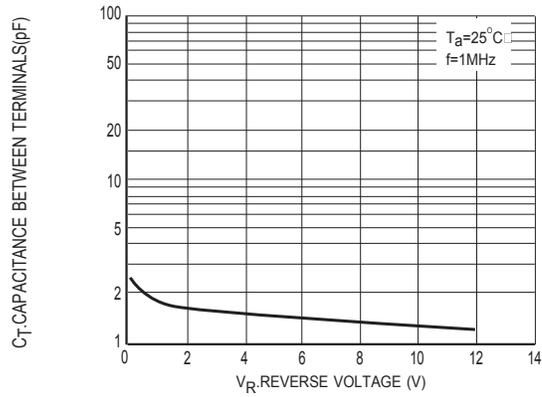


Figure3 Capacitance between terminals characteristics

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