

SCHOTTKY DIODES

FEATURES

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

MECHANICAL DATA

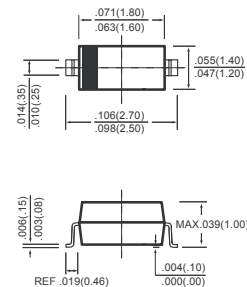
- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.004 grams

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	$^{\circ}\text{C}$

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	μA
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)

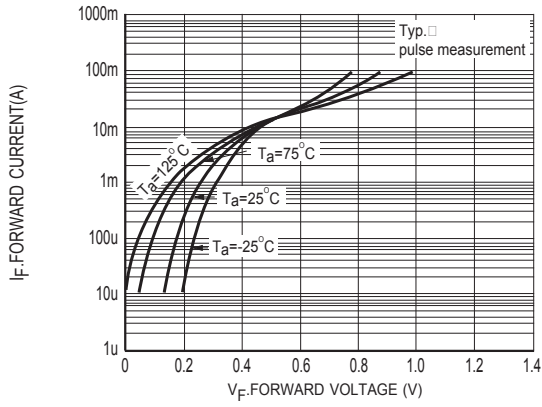


Figure1 Forward characteristics

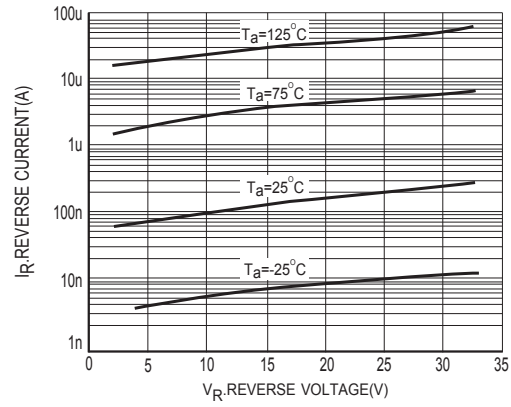


Figure2 Reverse Characteristics

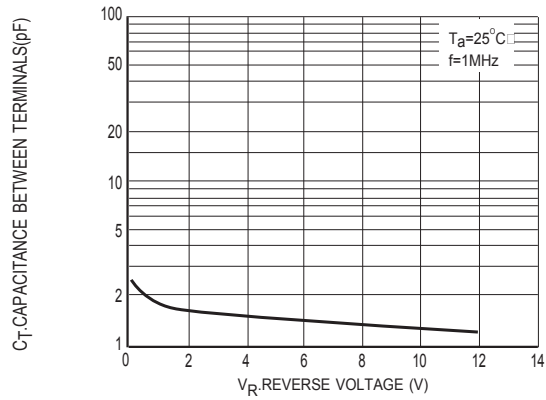


Figure3 Capacitance between terminals characteristics

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