RECTRON SEMICONDUCTOR
TECHNICAL SPECIFICATION

RB751V-40

SCHOTTKY DIODES

FEATURES

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

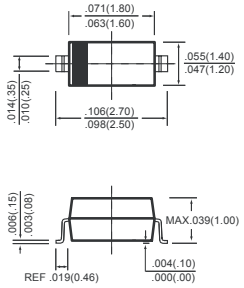
MECHANICAL DATA

* Case: Molded plastic
* Epoxy: UL 94V-O 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°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°C unless otherwise noted)

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

VC 2006-3

RATING AND CHARACTERISTICS CURVES (RB751V-40)

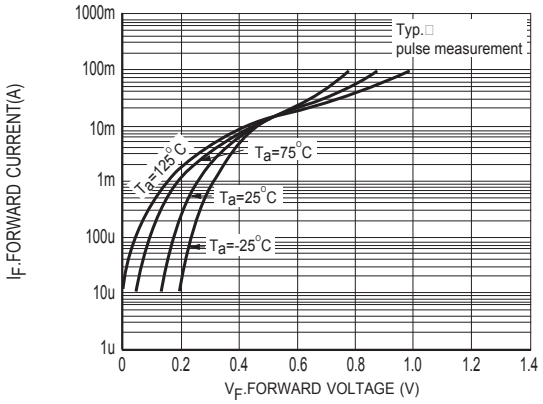


Figure1 Forward characteristics

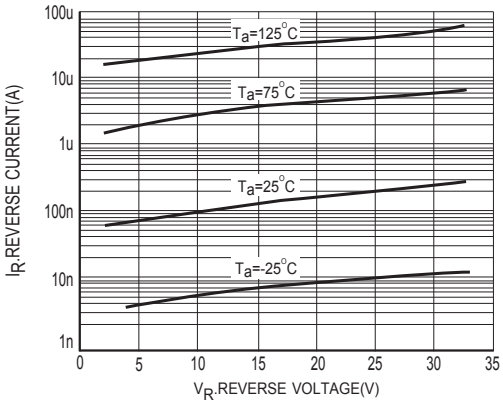


Figure2 Reverse Characteristics

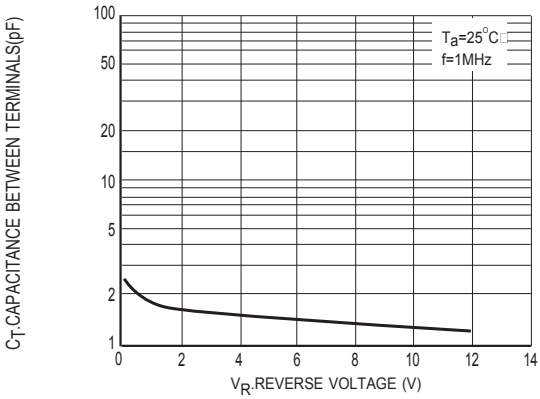


Figure3 Capacitance between terminals characteristics

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