LITE-ON SEMICONDUCTORS

RB751V- 40F

SURFACE MOUNT
SCHOTTKY BARRIER DIODE

REVERSE VOLTAGE – 40 Volts
FORWARD CURRENT – 0.03 Ampere

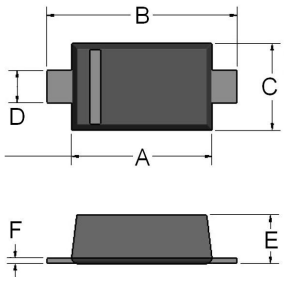
FEATURES

- Low Forward Voltage Drop
- Flat Lead SOD-323F Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

MECHANICAL DATA

- Case: SOD-323F Plastic

SOD-323F



SOD-323F		
DIM.	MIN.	MAX.
A	1.60	1.80
B	2.30	2.70
C	1.15	1.35
D	0.25	0.40
E	0.80	1.00
F	0.05	0.25
All Dimensions in millimeter		

Maximum Ratings & Thermal Characteristics @ T_A = 25℃ unless otherwise specified

Characteristic	Symbol	RB751V-40F	Units
Power Dissipation	P_D	200	mW
Repetitive Peak Reverse Voltage	V_{RM}	40	V
Non-Repetitive Peak Forward Current	I_{FSM}	500	mA
Maximum DC Blocking Voltage	V_R	30	V
Forward Current	I_F	30	mA
Operating Temperature Range	T_J	+125	℃
Storage Temperature Range	T_{STG}	-55~+125	℃

Electrical Characteristics @ T_A = 25℃ unless otherwise specified

Characteristic	Test Condition	Symbol	RB751V-40F	Unit
Breakdown Voltage	I_R=10μA	B_V	30	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	V_R=30V	I_R	0.5	uA
Maximum DC Forward Voltage	IF=1mA	V_F	0.370	V

These ratings are limiting values above which the serviceability of the diode may be impaired.

RATING AND CHARACTERISTIC CURVES
RB751V-40F

FIG.1-TYPICAL FORWORD CHARACTERISTICS

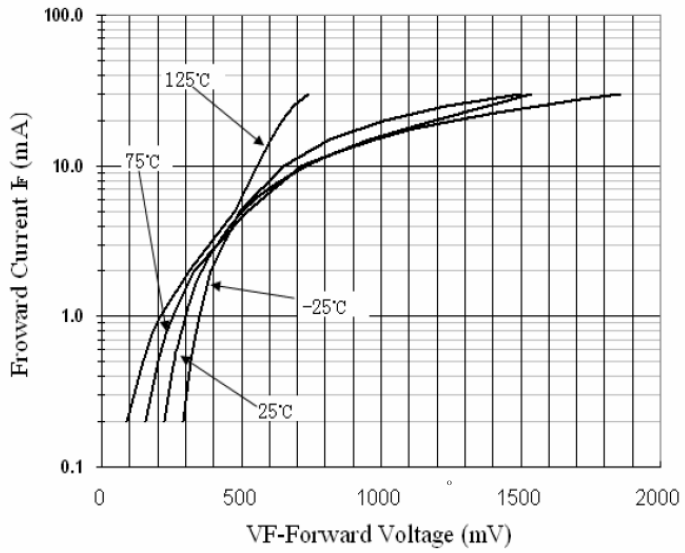


FIG.2-TYPICAL REVERSE CHARACTERISTICS

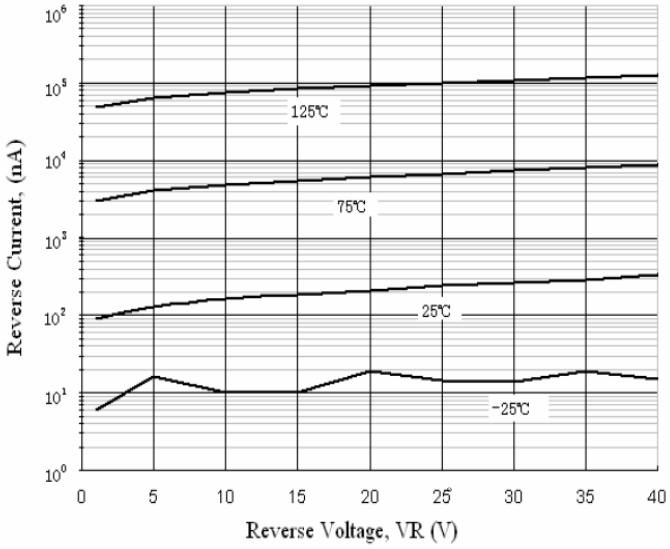
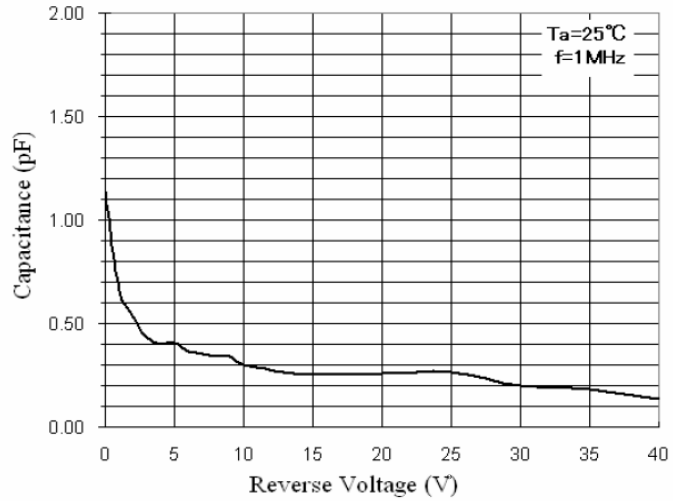


FIG.3-TYPICAL JUNCTION CAPACITANCE



Device Marking :

Device P/N	Marking	Equivalent Circuit Diagram
RB751V-40F	B5	1 ○—▶|— ○ 2

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