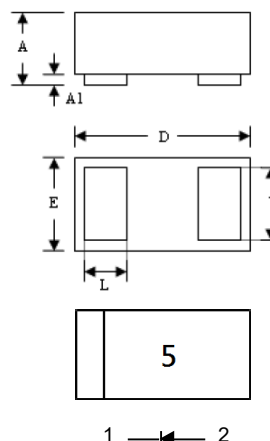


**SURFACE MOUNT
SCHOTTKY BARRIER DIODE**
**REVERSE VOLTAGE – 40 Volts
FORWARD CURRENT – 30 mAmpere**
FEATURES

- Low Forward Voltage Drop
- Small Surface Mounting Type (DFN1006)
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

MECHANICAL DATA

- Case: SOD-882 Plastic
- Weight: approx. 0.001g
- Marking Code: 5

SOD-882


SOD-882		
DIM.	MIN.	MAX.
A	0.46	0.50
A1	---	0.03
b	0.45	0.55
D	0.95	1.05
E	0.55	0.65
L	0.20	0.30

All Dimensions in millimeter

PIN ASSIGNMENT	
1	Cathode
2	Anode

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

Characteristic	Symbol	RB751BS-40F	Units
Power Dissipation	P _D	150	mW
Peak Forward Surge Current (At 8.3ms single half sine-wave)	I _{FSM}	200	mA
DC Reverse Voltage	V _R	30	V
Peak Reverse Voltage	V _{RM}	40	V
Average Forward Current	I _{F(AV)}	30	mA
Operating Temperature Range	T _J	-55~+125	°C
Storage Temperature Range	T _{STG}	-55~+125	°C

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

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Test Condition	Symbol	TYP.	MAX.	Unit
Reverse Current	V _R = 30V	I _R	---	0.5	uA
Forward Voltage	I _F = 1mA	V _F	---	0.37	V
Capacitance	V _R = 0V, f = 1 MHz	C	2	---	pF

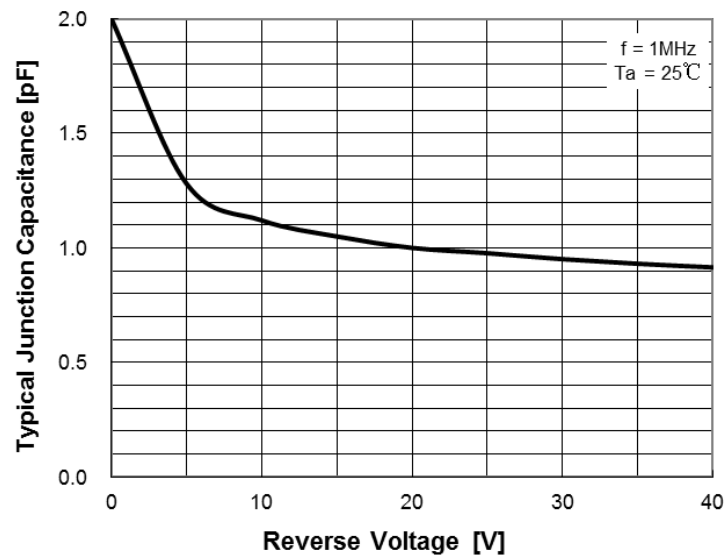
REV.2, Mar-2019, KSHR04

Legal Disclaimer Notice
RB751BS-40F

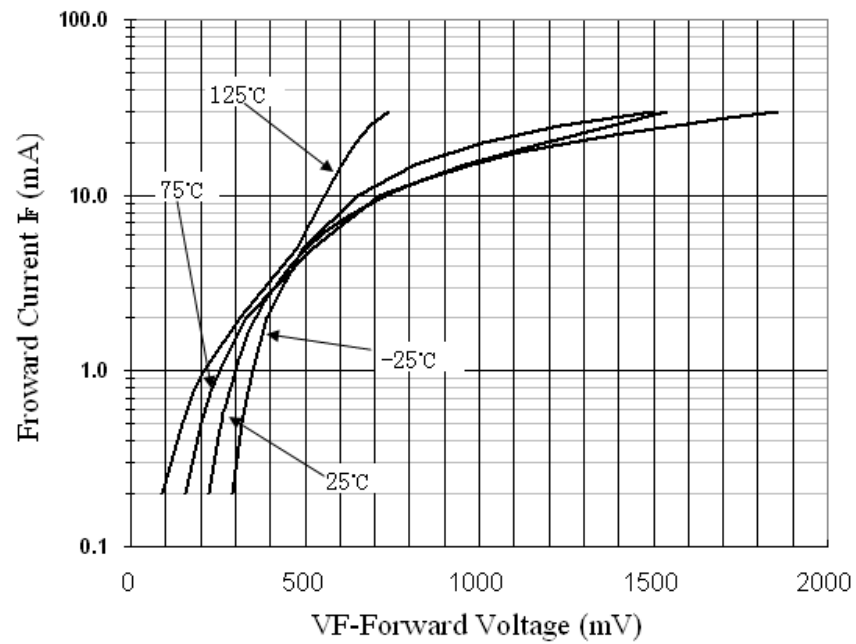


TYPICAL CHARACTERISTIC CURVES

Total Capacitance



Forward Voltage vs Ambient Temperature



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