

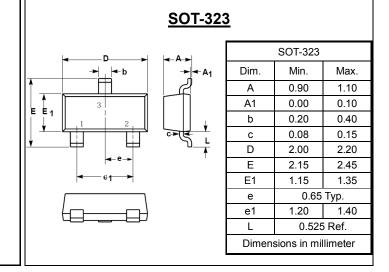
SURFACE MOUNT SCHOTTKY BARRIER DIODE

FEATURES

- Extremely Fast Switching Speed
- Low Forward Voltage
- Very Small Conduction Losses

MECHANICAL DATA

- Case: SOT-323 Plastic
- Case Material: "Green" molding compound, UL flammability classification 94V-0, (No Br. Sb. Cl)
- Moisture Sensitivity: Level 1 per J-STD-020D
- Lead Free in RoHS 2002/95/EC Compliant



REVERSE VOLTAGE – 20 Volts

FORWARD CURRENT – 0.7 Ampere

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

Characteristic		Symbol	RB461F	Units
Non-Repetitive Peak Reverse Voltage		V _{RM}	25	V
DC Blocking Voltage		V _R	20	V
Average Rectified Output Current		Ι _ο	700	mA
Non-Repetitive Peak Forward Surge Current	@t<10ms	I _{FSM}	3	А
Power Dissipation		PD	150	mW
Operating Temperature Range		TJ	125	°C
Storage Temperature Range		T _{STG}	-40~+125	°C

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Test Condition	Symbol	RB461F	Unit
I _R = 200uA	V_{BR}	20	V
I _F = 700mA	V _F	490	mV
V _R = 20V	I _R	200	uA
	I _F = 700mA	I _F = 700mA V _F	I _F = 700mA V _F 490

REV. 2, Oct-2010, KSHR35

RB461F

RATING AND CHARACTERISTIC CURVES RB461F

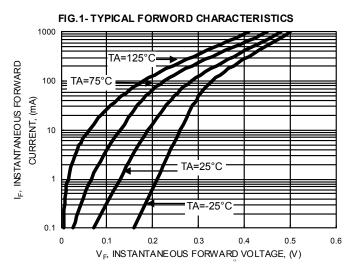
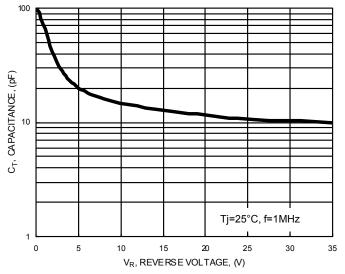
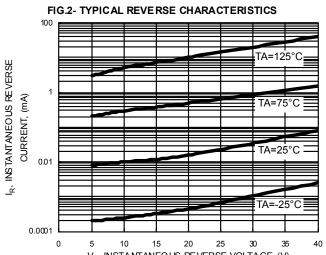


FIG.3- TYPICAL JUNCTION CAPACITANCE



Device Marking :

Device P/N	Marking	Equivalent Circuit Diagram
RB461F	3B	3 o i o 1



V_R, INSTANTANEOUS REVERSE VOLTAGE, (V)





Important Notice and Disclaimer

LSC reserves the right to make changes to this document and its products and specifications at any time without notice. Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.

LSC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does LSC assume any liability for application assistance or customer product design. LSC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.

No license is granted by implication or otherwise under any intellectual property rights of LSC.

LSC products are not authorized for use as critical components in life support devices or systems without express written approval of LSC.