JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOT-323 Plastic-Encapsulate Diodes

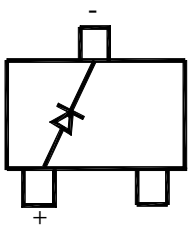
RB461F SCHOTTKY DIODE

SOT-323

1. ANODE
2. N,C
3. CATHODE

FEATURES

- Low-power rectification
- For switching power supply
- Ultra low V_F.(V_F=0.45V Typ. at 0.7A)
- I_F=0.7A guaranteed despite the size.



MARKING: 3B •

Maximum Ratings @T_A=25℃

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	25	V
DC Blocking Voltage	V_R	20	V
Average Rectified Output Current	I_O	700	mA
Power Dissipation	P_D	150	mW
Junction temperature	T_J	125	℃
Storage temperature range	T_{STG}	-40 to+125	℃

ELECTRICAL CHARACTERISTICS (Tamb=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	I_R= 200μA	20		V
Reverse voltage leakage current	I_R	V_R=20V		200	μA
Forward voltage	V_F	I_F=700mA		0.49	V

Typical characteristics

RB461F

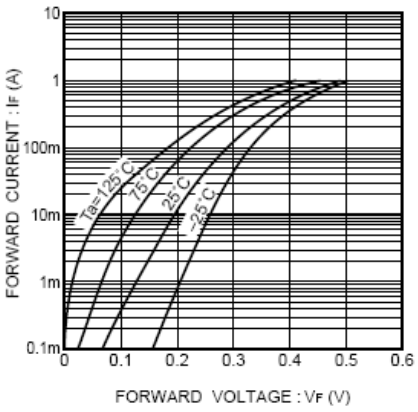


Fig.1 Forward characteristics

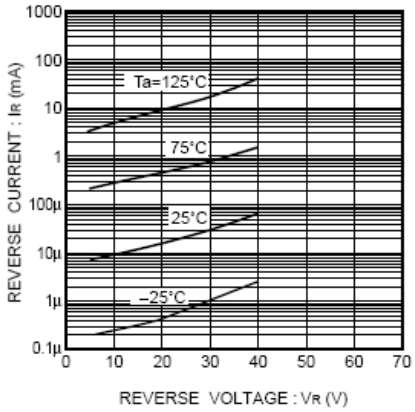


Fig.2 Reverse characteristics

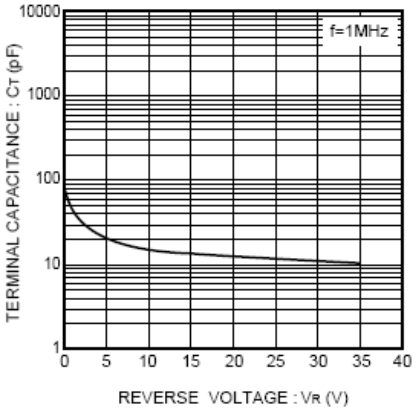


Fig.3 Capacitance between terminals characteristics

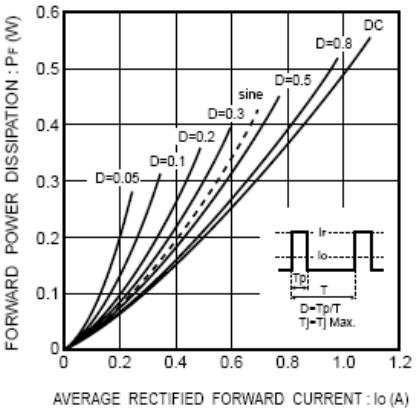


Fig.4 Forward power dissipation characteristics

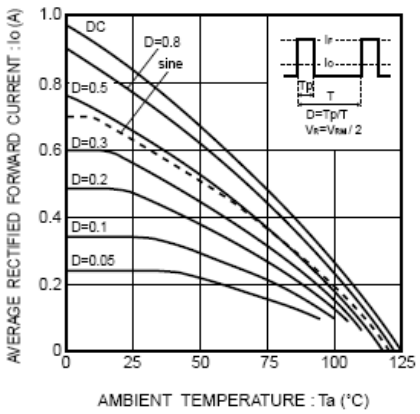


Fig.5 Derating curve (when mounted on a glass epoxy PCBs board)