



SMALL SIGNAL SCHOTTKY DIODE

VOLTAGE RANGE: 40 V

CURRENT: 30mA

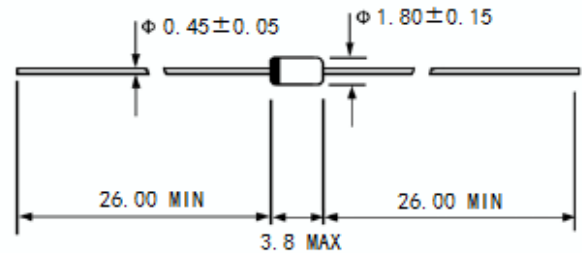
FEATURES

- ◇ For general purpose applications
- ◇ The low forward voltage drop and fast switching marking it ideal for protection of MOS devices, steering, biasing and coupling diodes for fast switching and low logic level applications.
- ◇ Integrated protection ring against static discharge
- ◇ Low leakage current

MECHANICAL DATA

- ◇ Case: DO-35,glass case
- ◇ Polarity: Color band denotes cathode
- ◇ Weight: Approx 0.13 grams

DO-35(GLASS)



Dimensions in millimeters

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C, ambient temperature unless otherwise specified.

ABSOLUTE MAXIMUM RATINGS AND THERMAL RESISTANCE

		RB721Q-40	UNIT
Device marking code		Q40	
Reverse voltage	V_R	40	V
Repetitive peak reverse voltage	V_{RRM}	40	V
Mean rectifying current	I_o	30	m A
Maximum forward surge current ESD sensitive product handling required	I_{FSM}	0.2	A
Forward voltage @ $I_F=1mA$	V_F	0.37	V
Reverse current @ $V_R=25V$	I_R	0.5	μA
Cappacitance between terminals	C_T	2.0	pF
Junction temperature	T_j	125	°C
Storage temperature range	T_{STG}	- 55 --- + 125	°C

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Fig.1 Forward characteristics

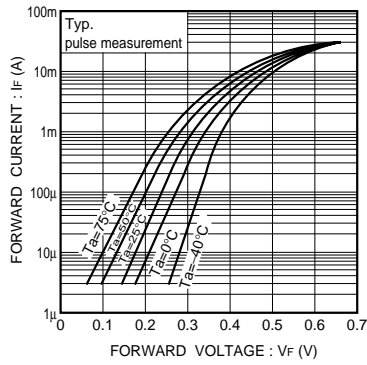


Fig.2 Reverse characteristics

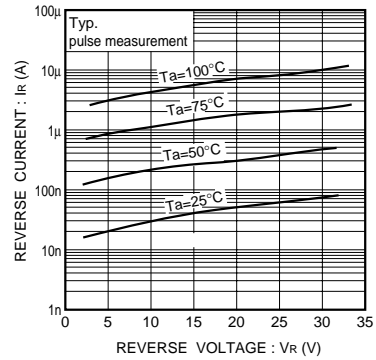


Fig.3 Capacitance between terminals characteristics

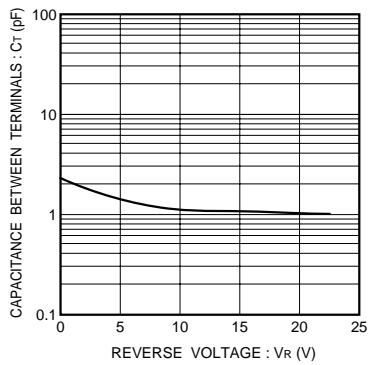


Fig.4 Reverse recovery time characteristics

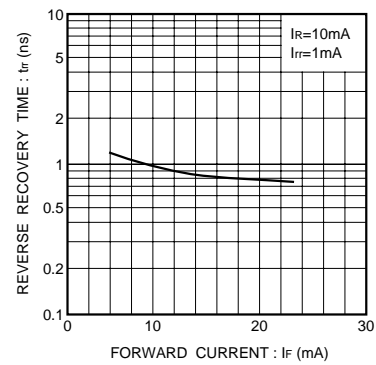


Fig.5 Derating curve

(mounting on glass epoxy PCBs)

