

RB721Q-40

SCHOTTKY BARRIERS SWITCHING DIODES

VOLTAGE	40 Volt	CURRENT	0.03 Ampere
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DO-35	Unit : inch(mm)
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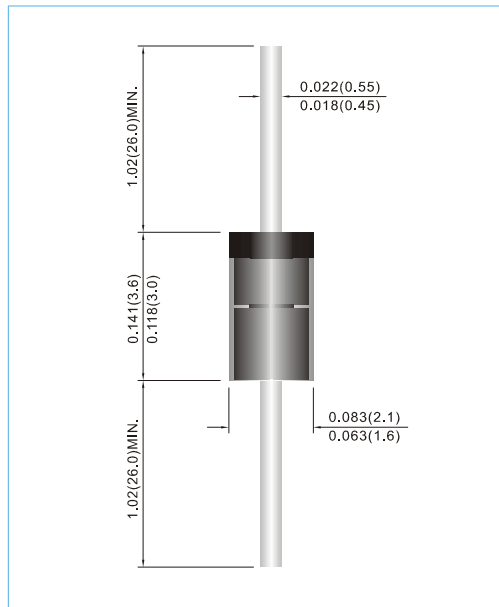
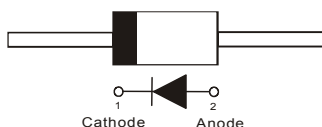
FEATURES

- Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- Low Reverse Capacitance
- Lead free in compliance with EU RoHS 2011/65/EU directive

MECHANICAL DATA

- Case: Molded Glass DO-35
- Terminals: Solderable per MIL-STD-750, Method 2026
- Packing information

B/P - 2K per Bulk box
T/R - 10K per 15" Reel
T/B - 5K per horiz. tape & Ammo box



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_J = 25°C unless otherwise noted)

PARAMETER	SYMBOL	RB721Q-40	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	40	V
DC Reverse Voltage	V _R	40	V
Forward Continuous Currentt	I _{F(AV)}	30	mA
Peak Forward Surge Current, t=1s	I _{FSM}	200	mA
Maximum Forward Voltage, I _F = 1mA	V _F	0.37	V
Maximum Reverse Current VR=25V	I _R	0.5	μA
Typical Junction Capacitance	C _J	2	pF
Storage and Junction Temperature Rangee	T _J , T _{STG}	-55 to + 125	°C

NOTE :

1. C_J at V_R = 1V, f = 1MHZ

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RATING AND CHARACTERISTIC CURVES

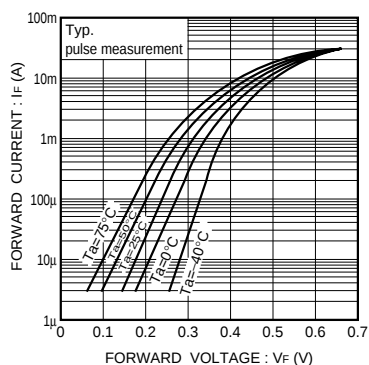


Fig.1 Forward Characteristics

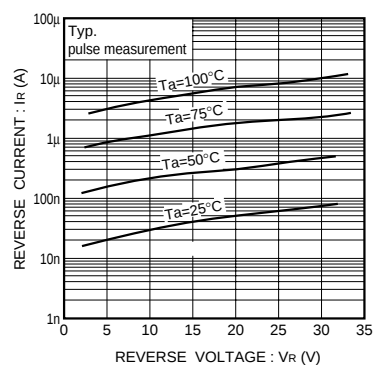


Fig.2 Reverse Characteristics

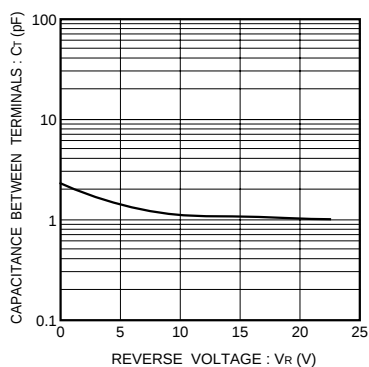


Fig.3 Capacitance Between Terminals Characteristics

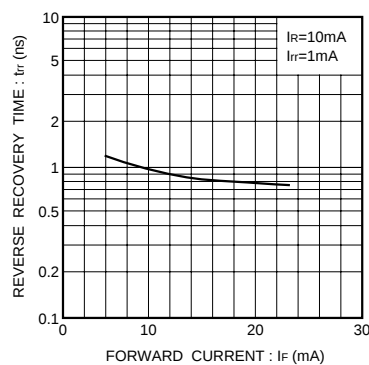


Fig.4 Reverse Recovery Time Characteristics

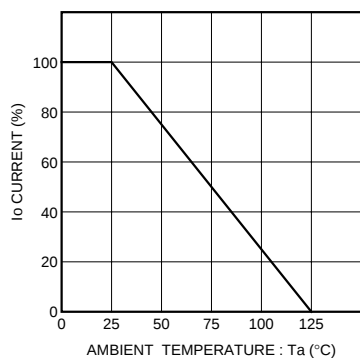


Fig.5 Derating Curve(Mounting on Glass Epoxy PCBs)

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Part No_packing code_Version

RB721Q-40_AX_10001

RB721Q-40_AY_10001

RB721Q-40_R2_10001

RB721Q-40_B0_10001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			

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