



Micro Commercial Components

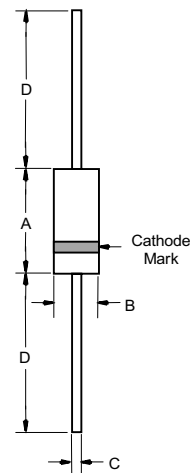


Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

RB721Q-40

30 mA Rectifier 40 Volts

DO-35



Features

- High speed switching
- Small pitch enables insertion on PCBs.
- Low V_F and low I_R
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Moisture Sensitivity Level 1

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{RM}	Peak Reverse Voltage	40	V
V_R	DC Reverse Voltage	40	V
I_o	Mean Rectifying Current	30	mA
I_{FSM}	Peak Forward Surge Current	200	mA
T_J	Junction Temperature	-55 to +150	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}C$

Electrical Characteristics @ 25 $^{\circ}C$ Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
V_F	Forward Voltage ($I_F=1.0mA$)	---	---	0.37	Vdc
I_R	Reverse Current ($V_R=25Vdc$) 1SR139-400	---	---	0.5	μA
C_T	Capacitance Between Terminals ($V_R=1.0V, f=1.0MHz$)	---	2.0	---	pF

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	

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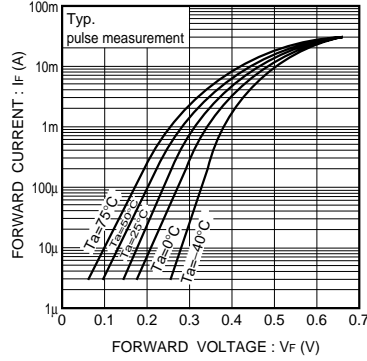


Fig.1 Forward characteristics

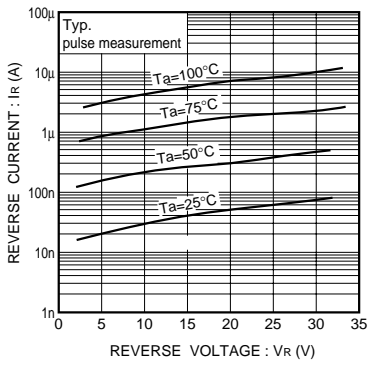


Fig.2 Reverse characteristics

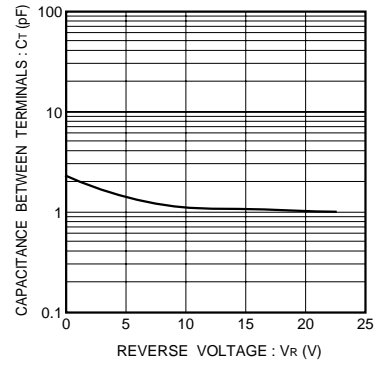


Fig.3 Capacitance between terminals characteristics

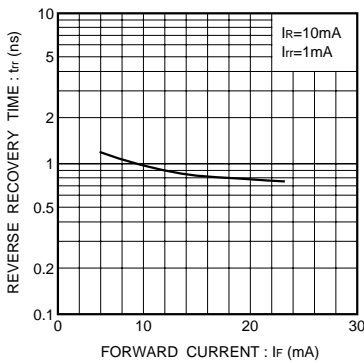


Fig.4 Reverse recovery time characteristics

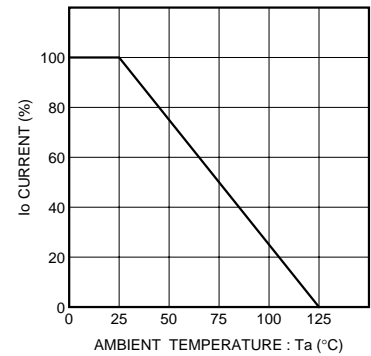


Fig.5 Derating curve (mounting on glass epoxy PCBs)



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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