# Schottky barrier diode

## **RB721Q-40**

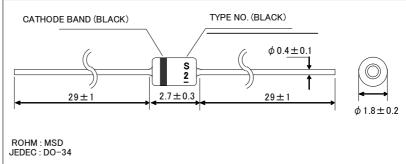
#### Applications

Low current rectification

#### Features

- 1) Glass sealed envelope. (MSD)
- 2) Low V<sub>F</sub>, Low I<sub>R</sub>
- 3) High reliability

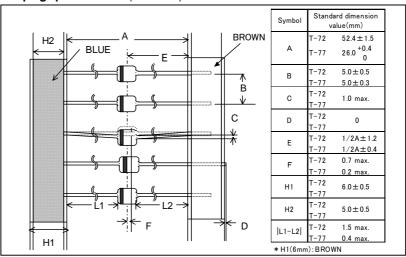
# ●External dimensions (Unit : mm)



## Construction

Silicon epitaxial planar

#### ●Taping specification s (Unit : mm)



#### ● Absolute maximum ratings (Ta = 25°C)

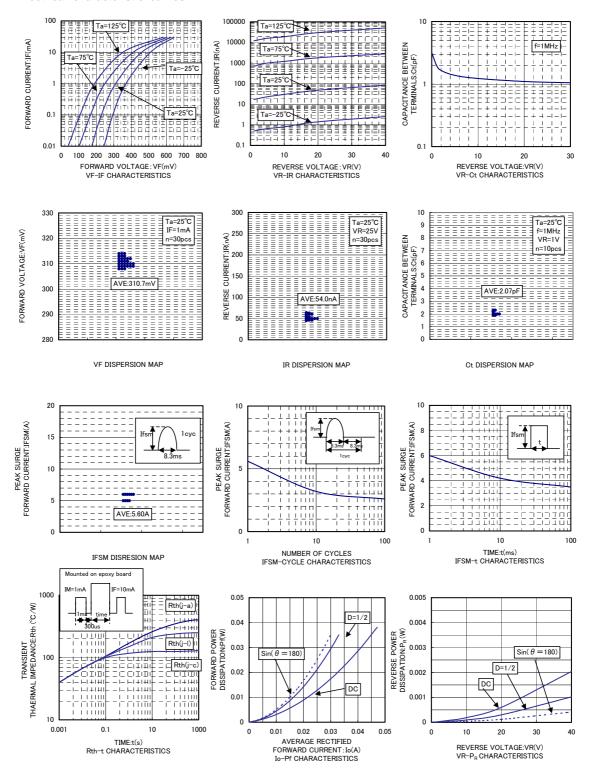
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current	lo	30	mA
Forward current surge peak (60Hz-1cyc)	I <sub>FSM</sub>	200	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

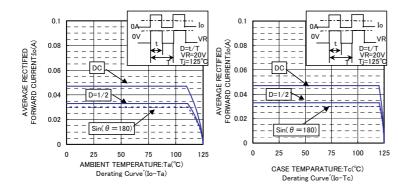
## ●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.37	V	I <sub>F</sub> =1mA
Reverse current	I <sub>R</sub>	-	-	0.5	μΑ	$V_R=25V$
Capacitance between terminals	Ct	-	2.0	-	pF	V <sub>R</sub> =1V , f=1MHz



#### •Electrical characteristic curves





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