Schottky barrier diode

RB721Q-40

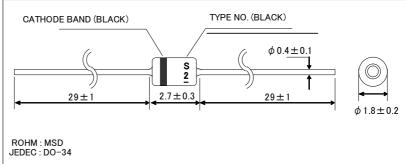
Applications

Low current rectification

Features

- 1) Glass sealed envelope. (MSD)
- 2) Low V_F, Low I_R
- 3) High reliability

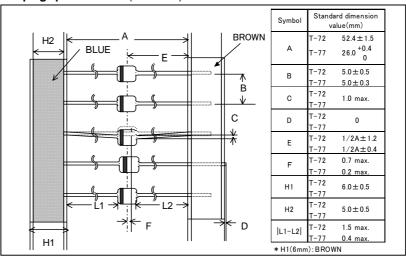
●External dimensions (Unit : mm)



Construction

Silicon epitaxial planar

●Taping specification s (Unit : mm)



● Absolute maximum ratings (Ta = 25°C)

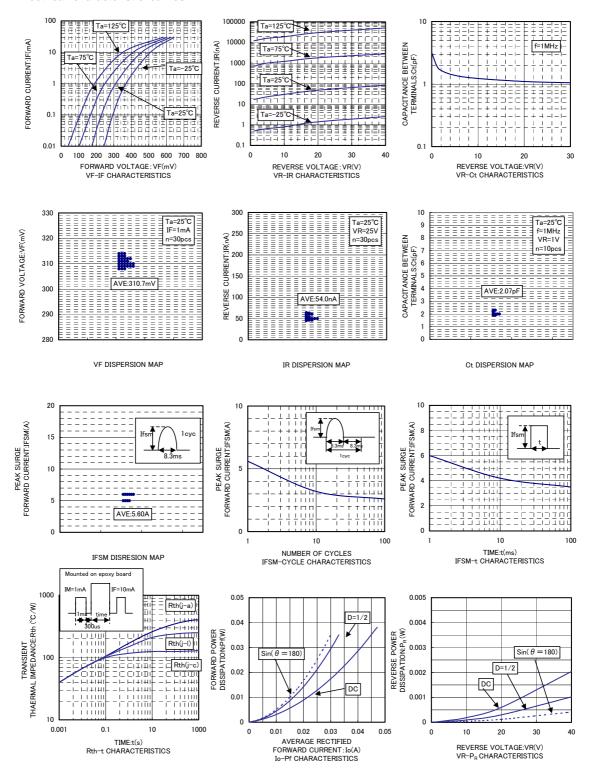
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	lo	30	mA
Forward current surge peak (60Hz-1cyc)	I _{FSM}	200	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

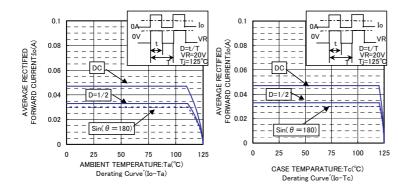
●Electrical characteristics (Ta = 25°C)

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



•Electrical characteristic curves





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