# Schottky barrier diode

## RB441Q-40

1) Glass sealed envelope. (MSD)

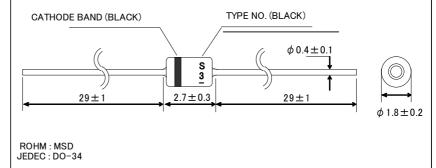
•Applications Low current rectification

Features

2) Low VF, Low IR

3) High reliability

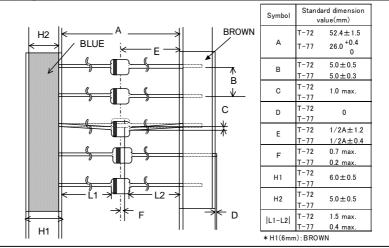
### •External dimensions (Unit : mm)



#### Construction

Silicon epitaxial planar

#### •Taping specifications



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

Parameter	Symbol Limits		Unit
Reverse voltage (repetitive peak)	V <sub>RM</sub>	40	V
Reverse voltage (DC)	V <sub>R</sub>	40	V
Average rectified forward current	lo	100	mA
Forward current surge peak (60Hz · 1cyc)	I <sub>FSM</sub>	1	А
Junction temperature	Tj	125	C°
Storage temperature	Tstg	-40 to +125	°C

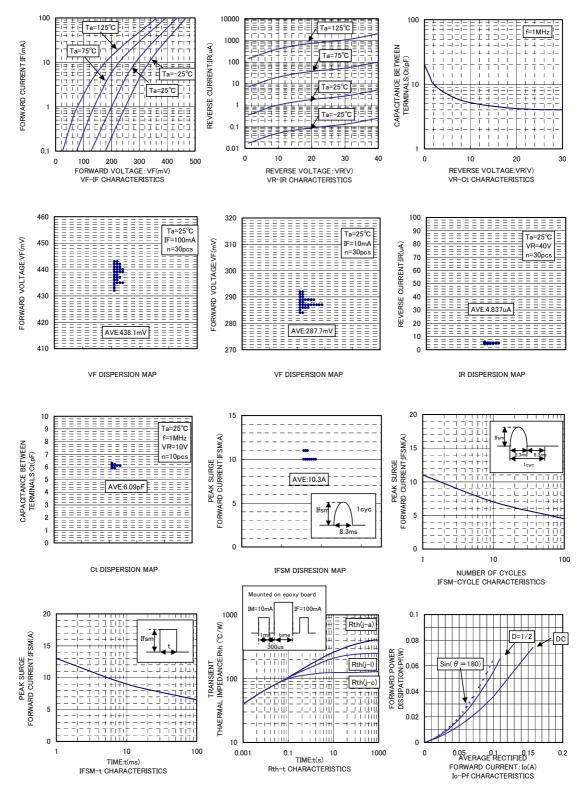
#### •Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward current	V <sub>F</sub> 1	-	-	0.34	V	I <sub>F</sub> =10mA
	V <sub>F</sub> 2	-	-	0.55	V	I <sub>F</sub> =100mA
Reverse current	I <sub>R</sub>	-	-	100	μA	V <sub>R</sub> =40V
Capacitance between terminals	Ct	-	6.0	-	pF	V <sub>R</sub> =10V , f=1MHz



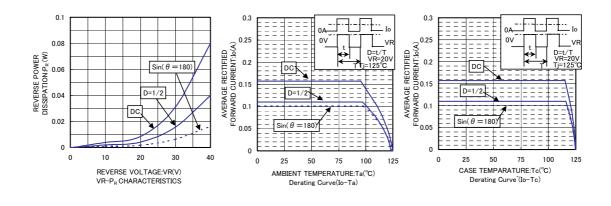
#### Diodes

#### •Electrical characteristic curves



Rev.C 2/3

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