Schottky barrier diode

RB441Q-40

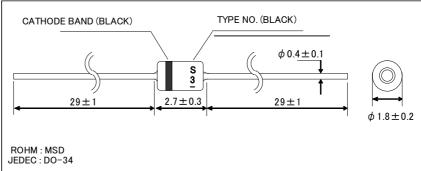
Applications

Low current rectification

Features

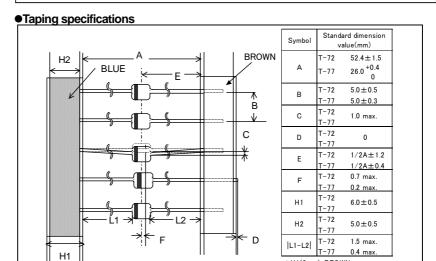
- 1) Glass sealed envelope. (MSD)
- 2) Low V_F, Low I_R
- 3) High reliability

●External dimensions (Unit : mm)



Construction

Silicon epitaxial planar



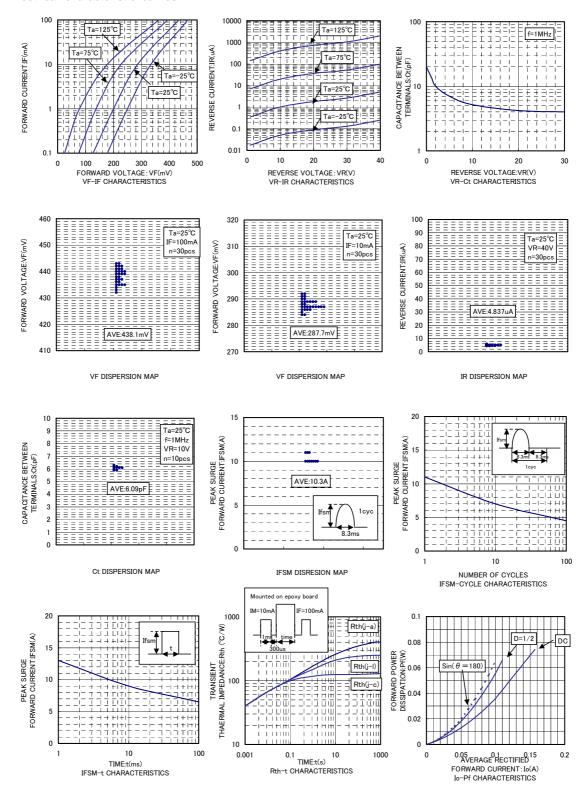
● Absolute maximum ratings (Ta = 25°C)

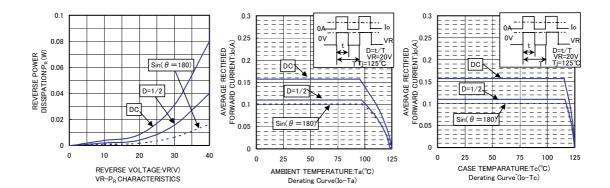
Parameter	Symbol	Limits	Unit	
Reverse voltage (repetitive peak)	V_{RM}	40	V	
Reverse voltage (DC)	V_R	40	V	
Average rectified forward current	lo	100	mA	
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	1	Α	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-40 to +125	°C	

●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward current	V_F1	-	-	0.34	V	I _F =10mA
	V _F 2	-	ı	0.55	V	I _F =100mA
Reverse current	I _R	-	-	100	μA	V _R =40V
Capacitance between terminals	Ct	-	6.0	-	pF	V _R =10V , f=1MHz

•Electrical characteristic curves





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