Schottky barrier diode

RB441Q-40

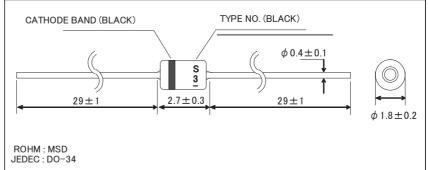
•Applications Low current rectification

Features

1) Glass sealed envelope. (MSD) 2) Low VF, Low IR

3) High reliability

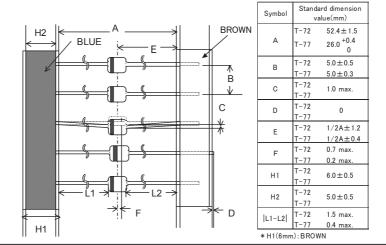
•External dimensions (Unit : mm)



Construction

Silicon epitaxial planar

•Taping specifications



•Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol Limits		Unit
Reverse voltage (repetitive peak)	V _{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	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

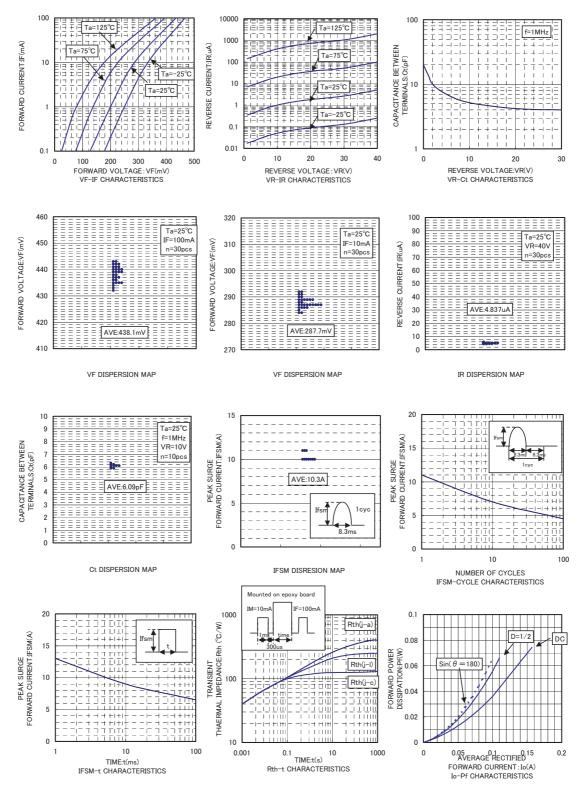
•Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward current	V _F 1	-	-	0.34	V	I _F =10mA
	V _F 2	-	-	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



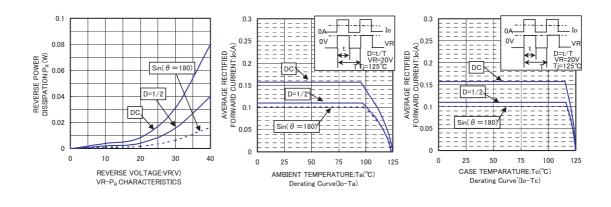
Diodes

•Electrical characteristic curves



Rev.C 2/3

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