

Schottky barrier diode

RB441Q-40

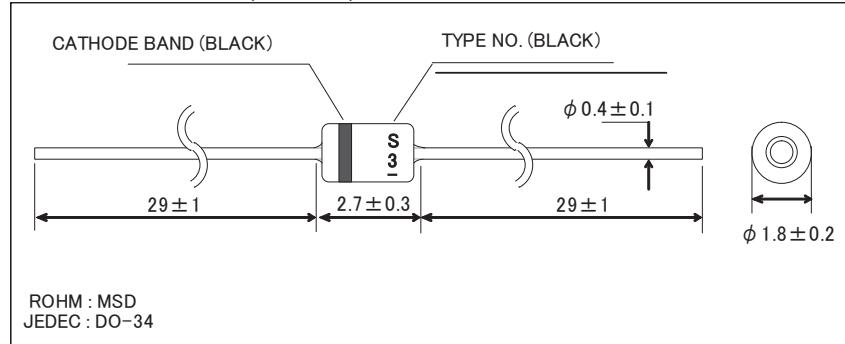
●Applications

Low current rectification

●Features

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

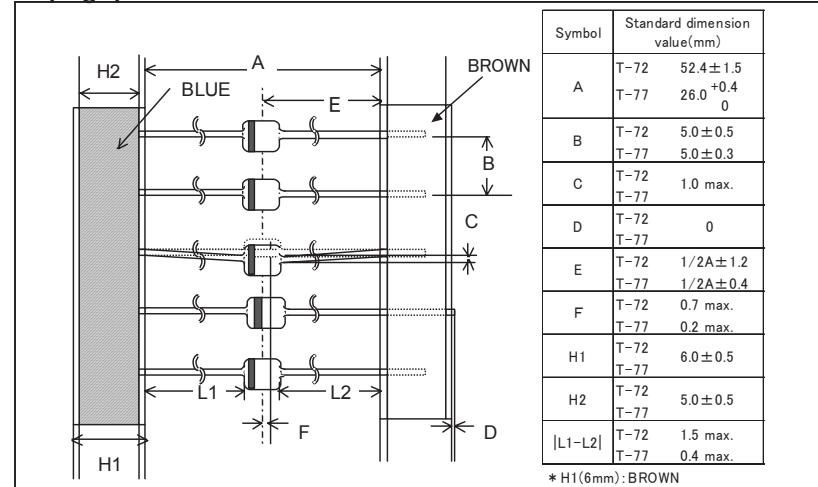
●External dimensions (Unit : mm)



●Construction

Silicon epitaxial planar

●Taping specifications



●Absolute maximum ratings ($T_a = 25^\circ\text{C}$)

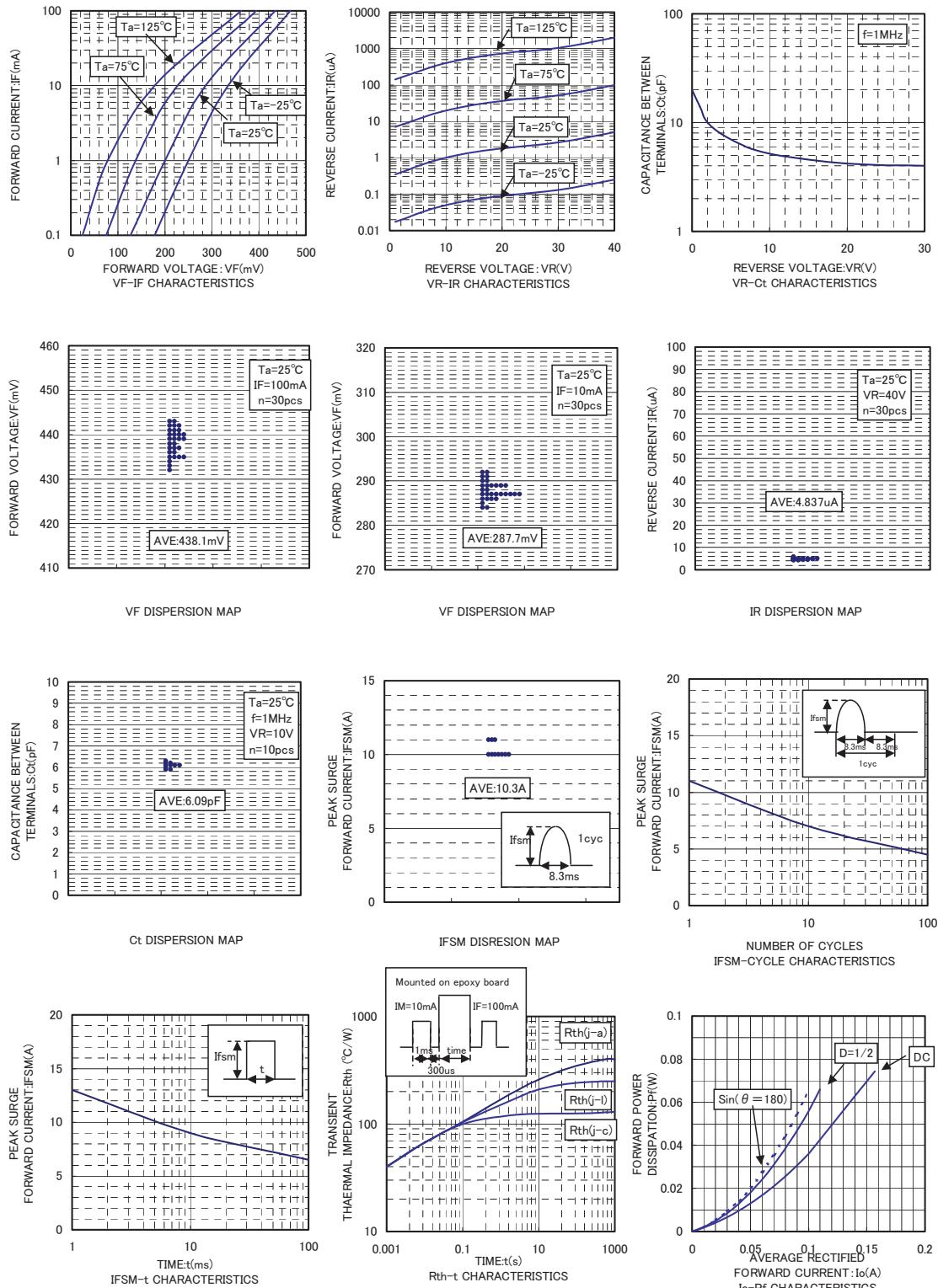
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	100	mA
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{Stg}	-40 to +125	°C

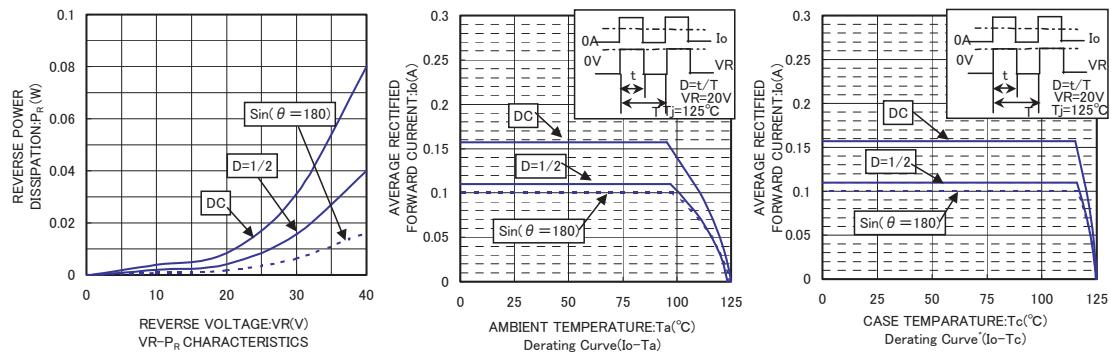
●Electrical characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward current	V_F1	-	-	0.34	V	$I_F=10\text{mA}$
	V_F2	-	-	0.55	V	$I_F=100\text{mA}$
Reverse current	I_R	-	-	100	μA	$V_R=40\text{V}$
Capacitance between terminals	C_t	-	6.0	-	pF	$V_R=10\text{V}$, $f=1\text{MHz}$

Diodes

● Electrical characteristic curves





Appendix

Notes

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