



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Schottky barrier diode

## RB441Q-40

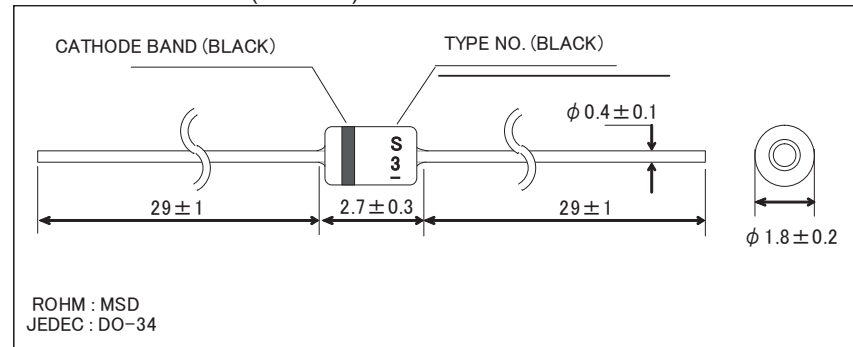
## ●Applications

Low current rectification

## ●Features

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

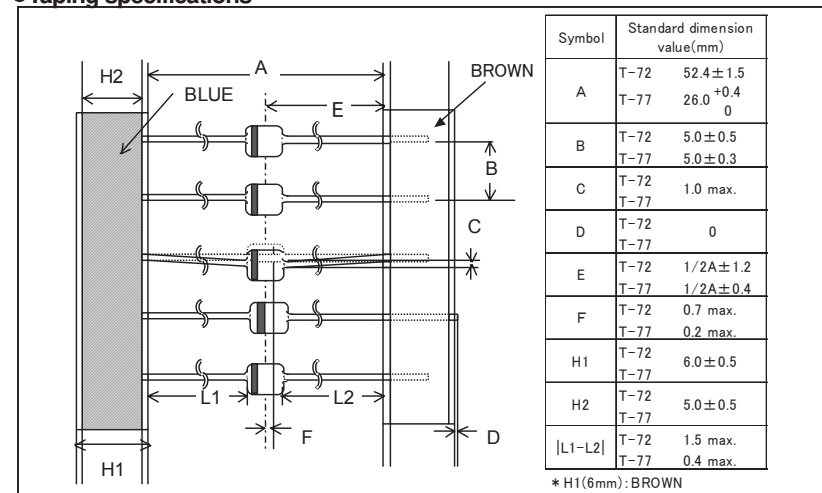
## ●External dimensions (Unit : mm)



## ●Construction

Silicon epitaxial planar

## ●Taping specifications



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

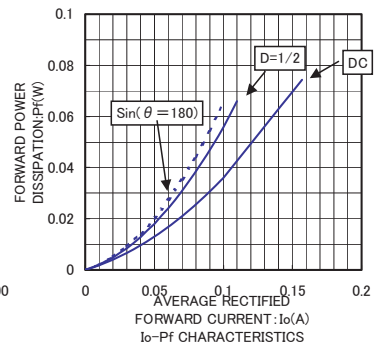
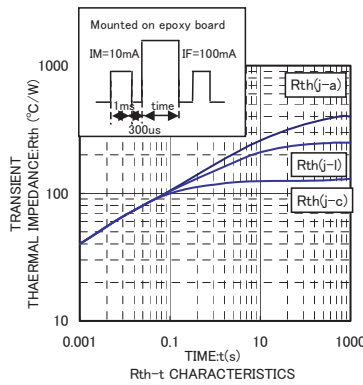
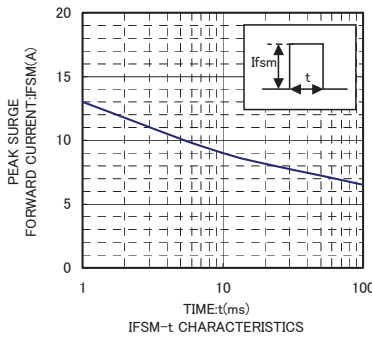
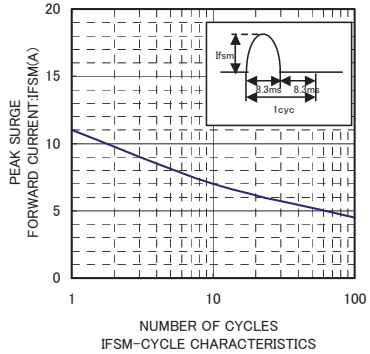
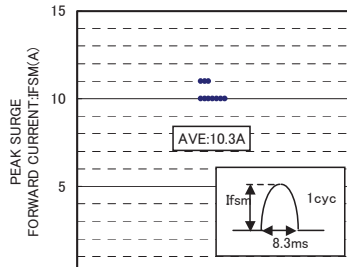
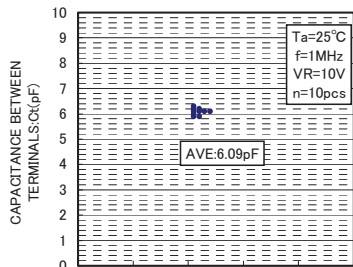
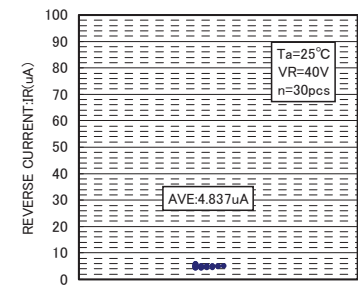
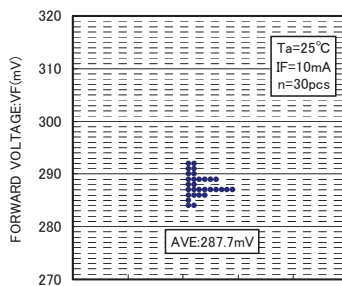
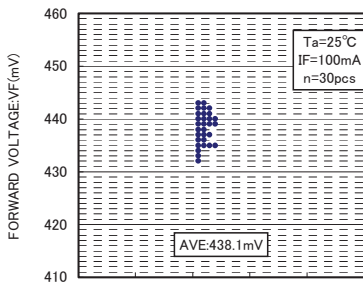
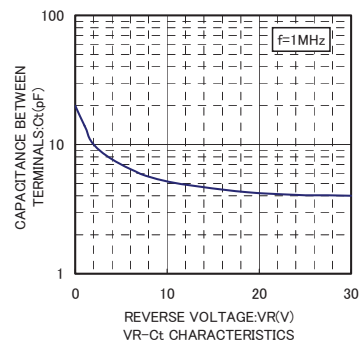
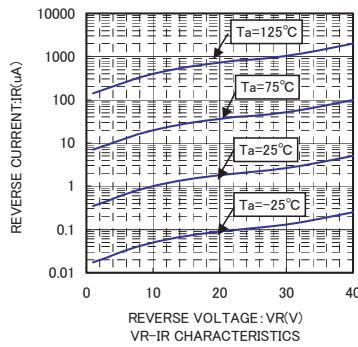
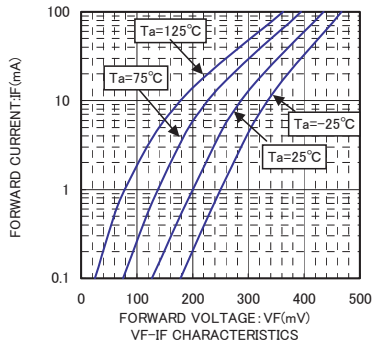
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current	$I_o$	100	mA
Forward current surge peak (60Hz · 1cyc)	$I_{FSM}$	1	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

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

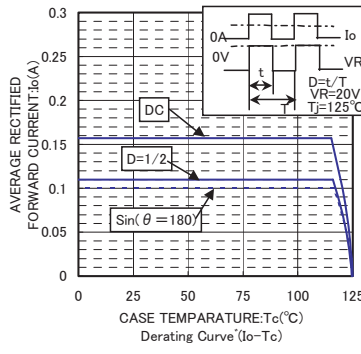
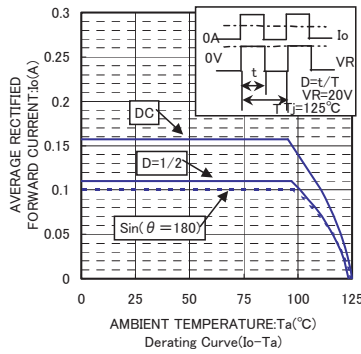
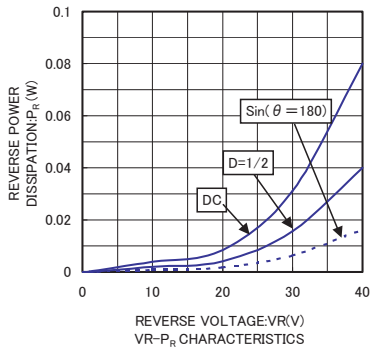
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward current	$V_{F1}$	-	-	0.34	V	$I_F=10mA$
	$V_{F2}$	-	-	0.55	V	$I_F=100mA$
Reverse current	$I_R$	-	-	100	μA	$V_R=40V$
Capacitance between terminals	$C_t$	-	6.0	-	pF	$V_R=10V, f=1MHz$

Diodes

●Electrical characteristic curves



Diodes



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