# **ESD** Protection diode

# RSB6.8G

## Application

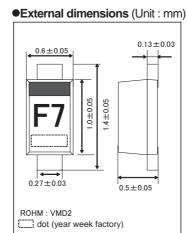
ESD Protection, bi direction

#### Features

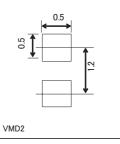
- 1) Ultra small mold type. (VMD2)
- 2) High reliability.
- 3) Bi chip-mounter, automatic mounting is possible.

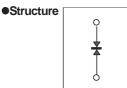
#### Construction

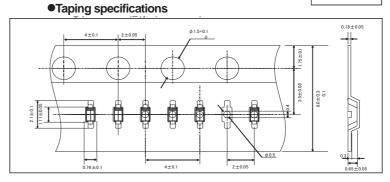
Silicon epitaxial planar











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

Parameter	Symbol	Limits	Unit
Peak pulse power-1(tp=10×1000µS)	Ppk	10	W
Power dissipation (*1)	Р	100	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C
Operating temperature	Topr	-55 to +150	°C

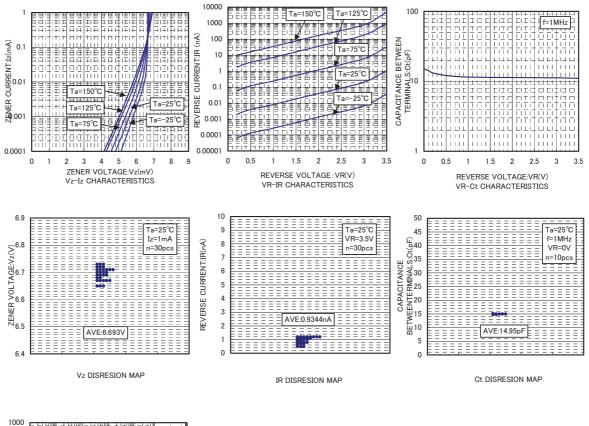
#### •Electrical characteristics (Ta=25°C, Rating of per diode)

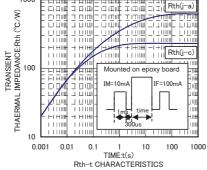
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	Vz	5.78	-	7.82	V	I <sub>Z</sub> =1mA
Reverse current	I <sub>R</sub>	-	-	0.50	μA	V <sub>R</sub> =3.5V
Capacitance between terminals	Ct	-	15	-	pF	V <sub>R</sub> =0V , f=1MHz



### Diodes

#### •Electrical characteristic curves







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