

## ESD Protection diode

## RSB6.8CS

## ●Application

ESD Protection, bi direction

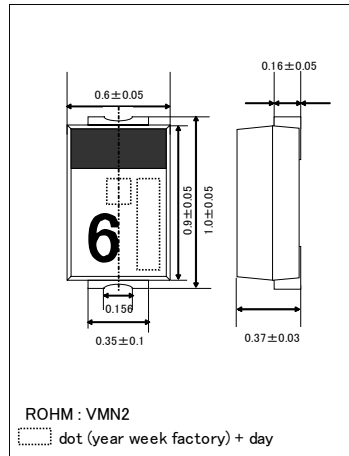
## ●Features

- 1) Ultra small mold type. (VMN2)
- 2) High reliability.
- 3) Bi chip-mounter, automatic mounting is possible.

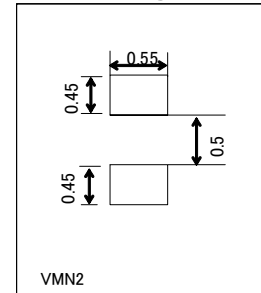
## ●Construction

Silicon epitaxial planar

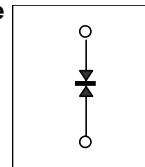
## ●External dimensions (Unit : mm)



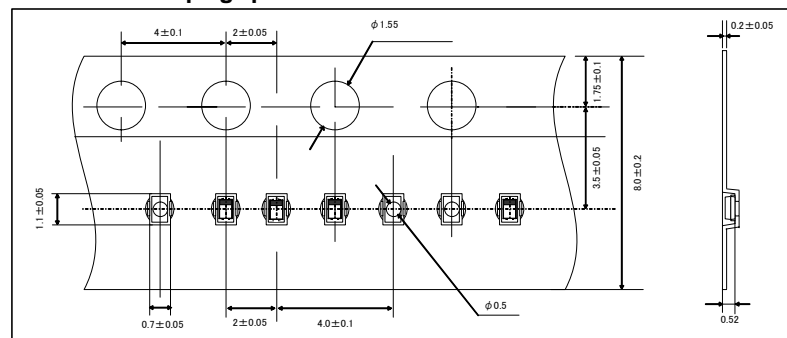
## ●Land size figure (Unit : mm)



## ●Structure



## ●Taping specifications



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

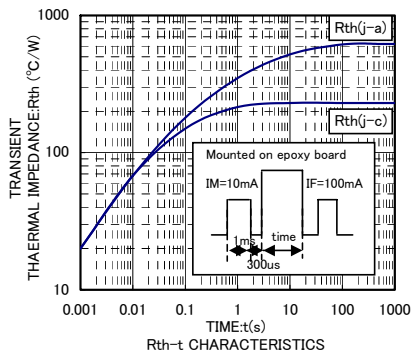
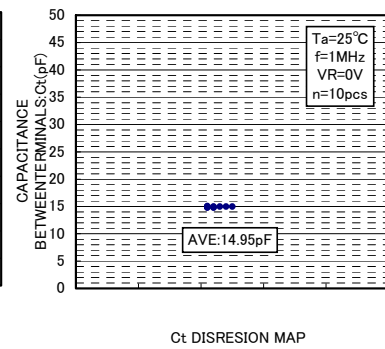
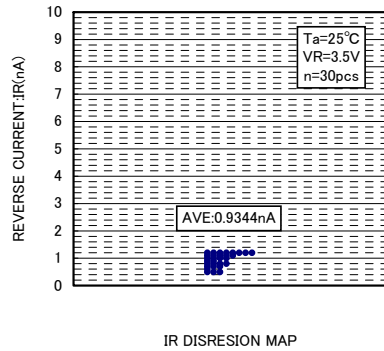
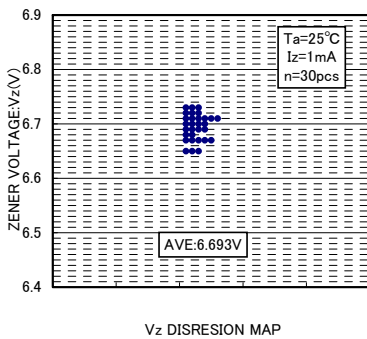
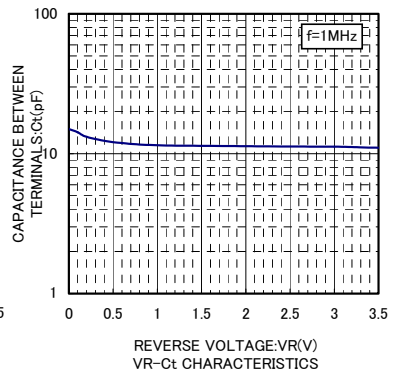
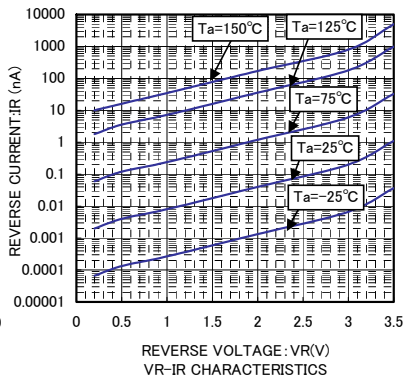
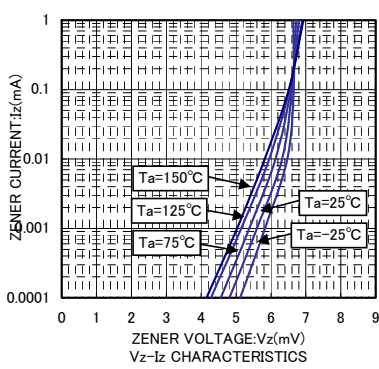
Parameter	Symbol	Limits	Unit
Peak pulse power (tp=10×1000us)	Ppk	10	W
Power dissipation	P	100	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C
Operating temperature	Topor	-55 to +150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	Vz	5.78	-	7.82	V	Iz=1mA
Reverse current	IR	-	-	0.5	μA	VR=3.5V
Capacitance between terminals	Ct	-	15	-	pF	VR=0V, f=1MHz

Diodes

●Electrical characteristic curves



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