ESD Protection diode

RSB6.8G

Application

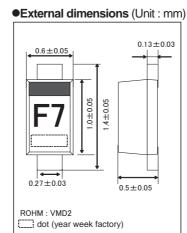
ESD Protection, bi direction

Features

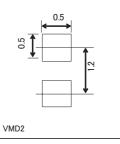
- 1) Ultra small mold type. (VMD2)
- 2) High reliability.
- 3) Bi chip-mounter, automatic mounting is possible.

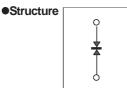
Construction

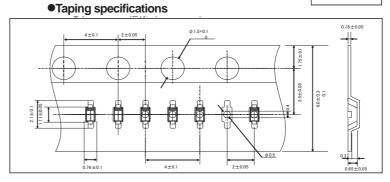
Silicon epitaxial planar











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

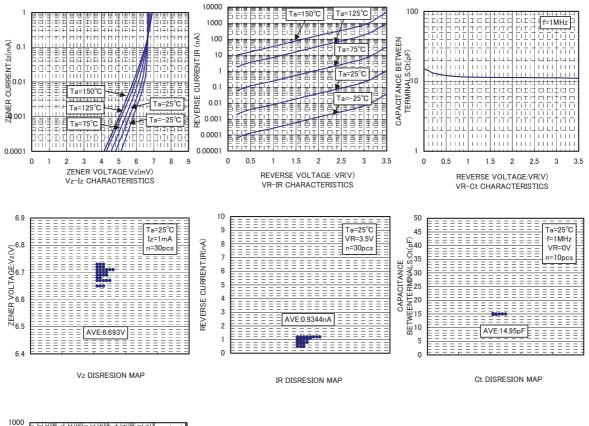
•Electrical characteristics (Ta=25°C, Rating of per diode)

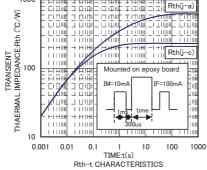
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	Vz	5.78	-	7.82	V	I _Z =1mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Capacitance between terminals	Ct	-	15	-	pF	V _R =0V , f=1MHz



Diodes

•Electrical characteristic curves







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