ESD Protection diode

RSB6.8S

Application

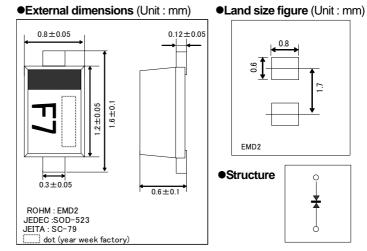
ESD Protection

● Features

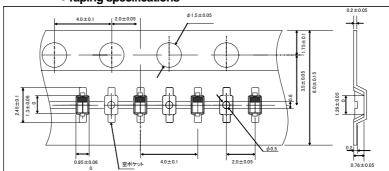
- 1) Ultra small mold type. (EMD2)
- 2) Bi direction high reliability.
- 3) Bi chip-mounter, automatic mounting is possible.

Construction

Silicon epitaxial planar







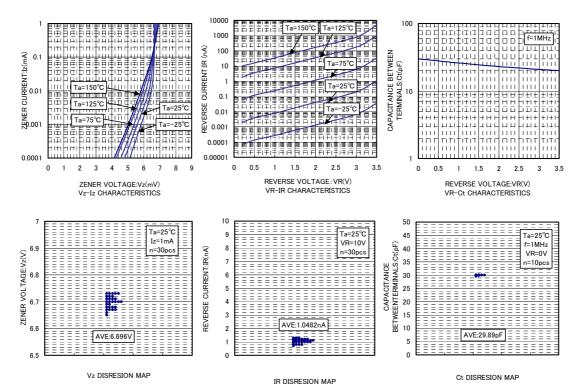
● Absolute maximum ratings (Ta=25°C)

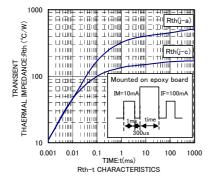
Parameter	Symbol	Limits	Unit
Peak pulse power (tp=10×1000us)	Ppk	10	W
Power dissipation	Р	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C
Operation temperature range	Topor	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	V_z	5.78	-	7.82	V	I _Z =1mA
Reerse current	I _R	-	-	0.5	μA	V _R =3.5V
Capacitance between terminals	Ct	-	-	30	pF	V _R =0V , f=1MHz

•Electrical characteristic curves





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