

Bi direction ESD Protection Diode

RSB6.8SM

● **Applications**

ESD Protection

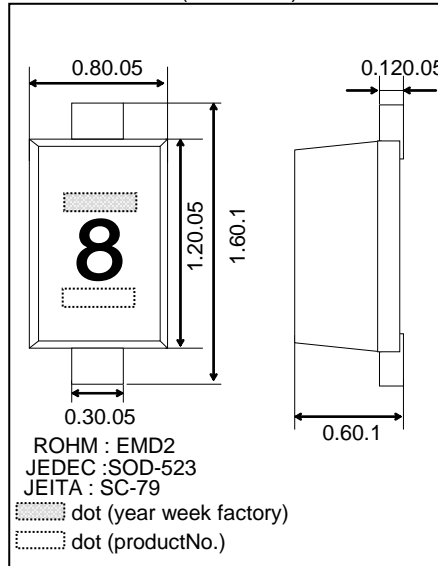
● **Features**

- 1) Ultra small mold type. (EMD2)
- 2) Bi-directionality.
- 3) High reliability.
- 4) By chip-mounter, automatic mounting is possible.

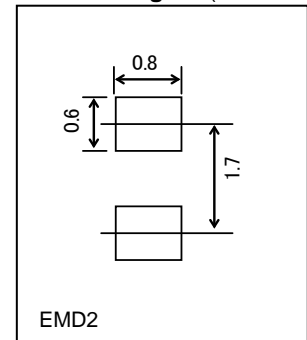
● **Construction**

Silicon epitaxial planer

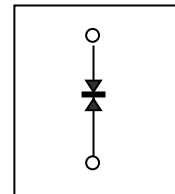
● **Dimensions (Unit : mm)**



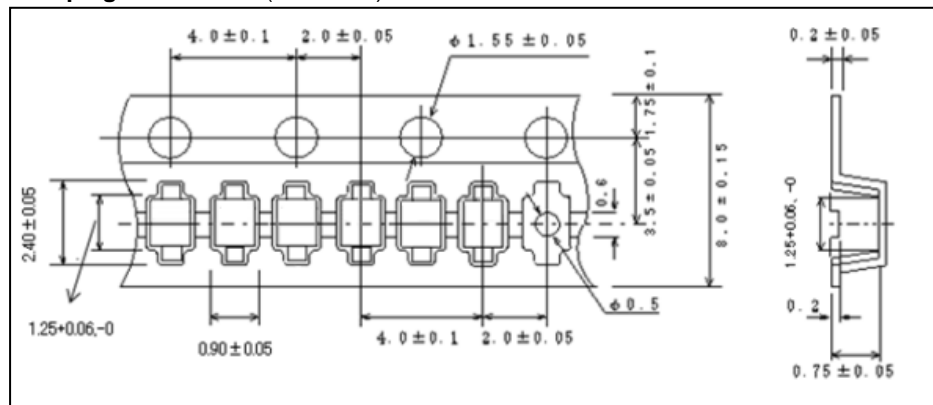
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**

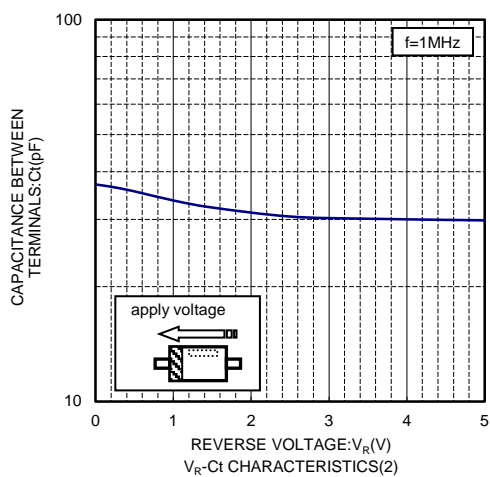
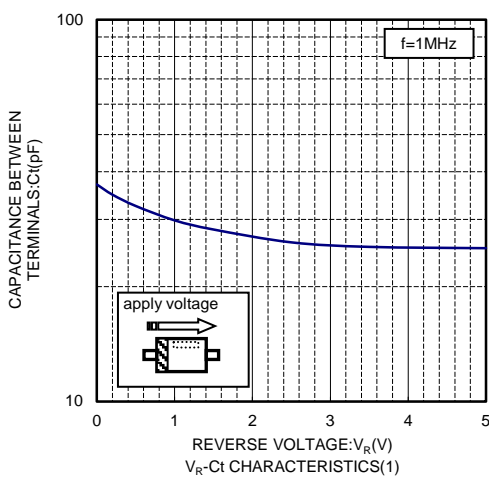
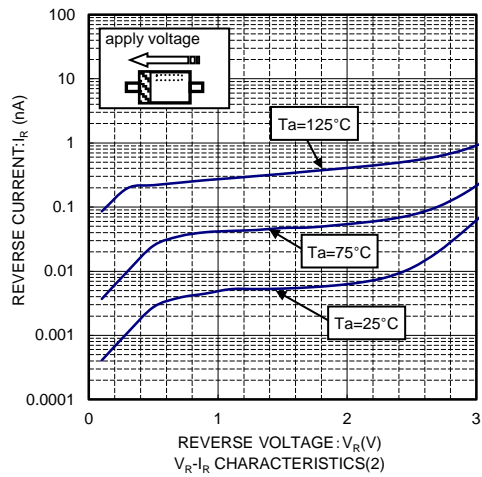
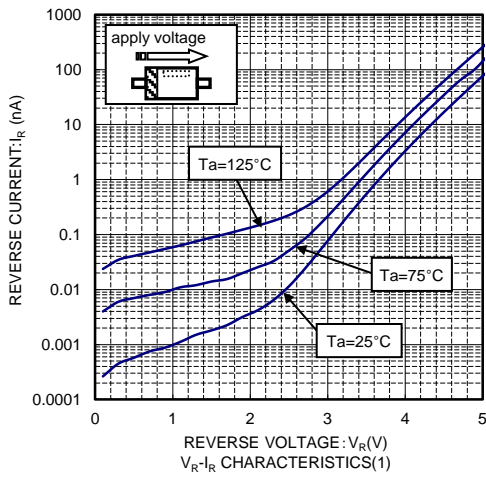
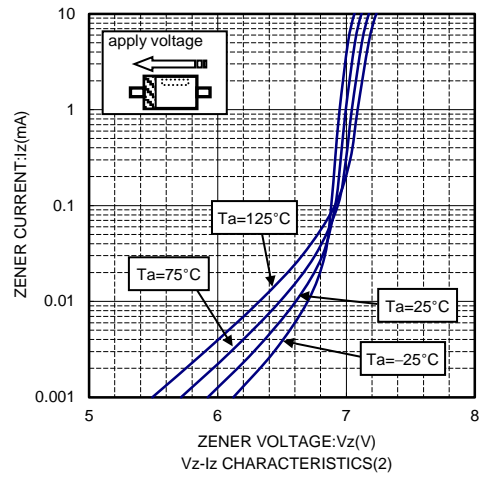
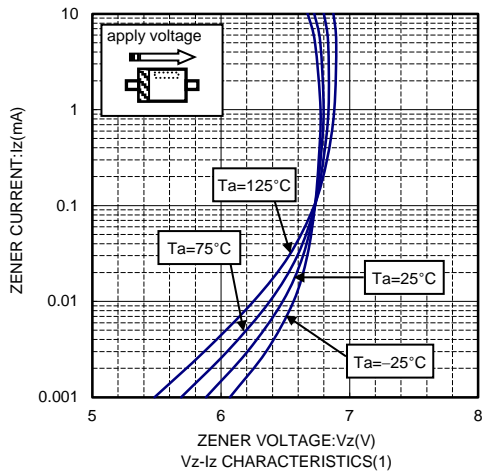


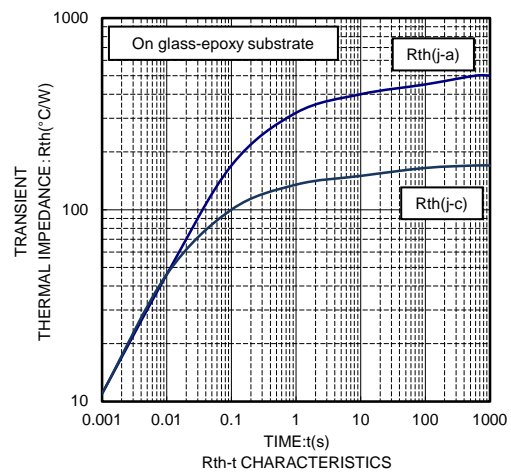
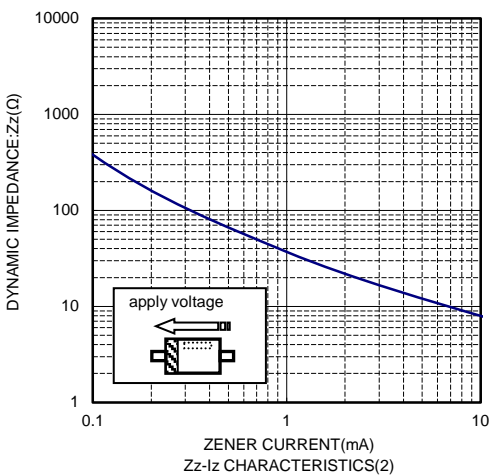
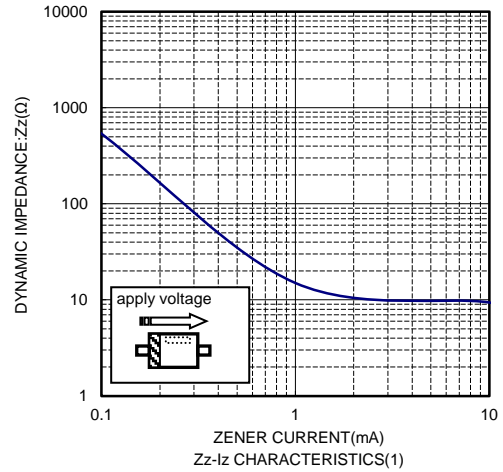
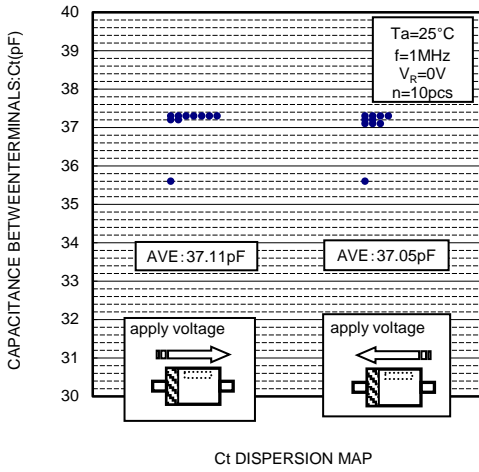
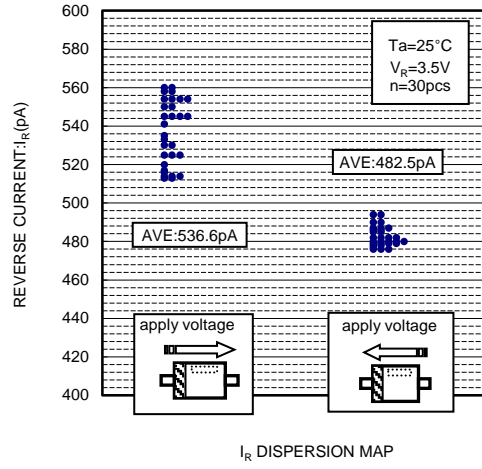
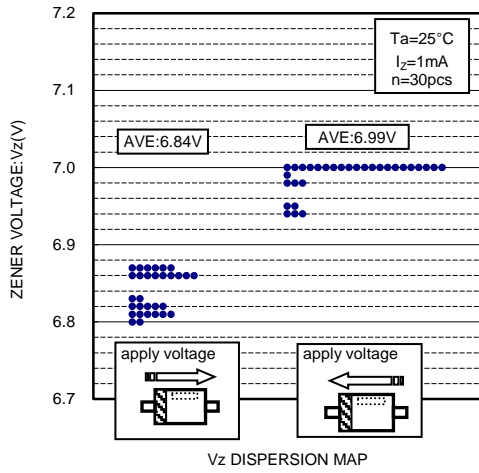
● **Absolute maximum ratings (Ta=25°C)**

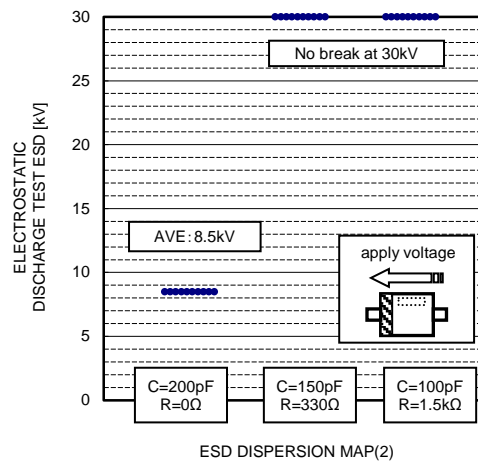
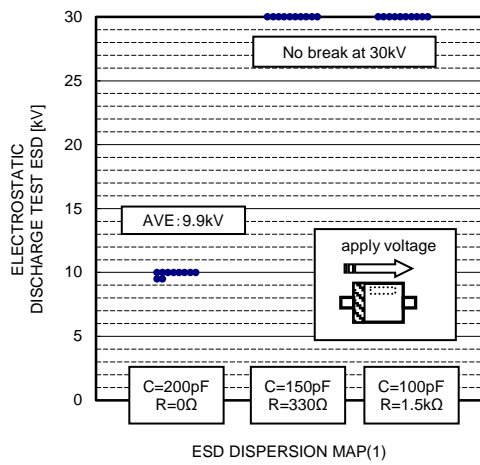
Parameter	Symbol	Limits	Unit
Peak pulse power(tp=10×1000μs)	Ppk	10	W
Power dissipation	P	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C
Operation temperature range	Topor	-55 to +150	°C

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

Parameter	Symbol	Min.	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	-	30.0	-	pF	VR=0V, f=1MHz







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