

Low Capacitance Protection Device

RSB12W

●Application

ESD Protection

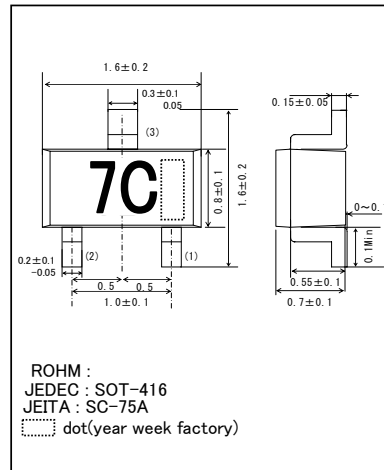
●Features

- 1) Ultra small mold type. (EMD3)
- 2) Low capacitance
- 3) Bi direction

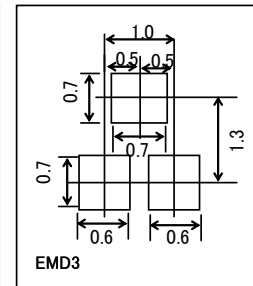
●Construction

Silicon Epitaxial Planar

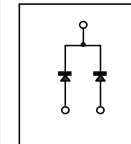
●Dimensions (Unit : mm)



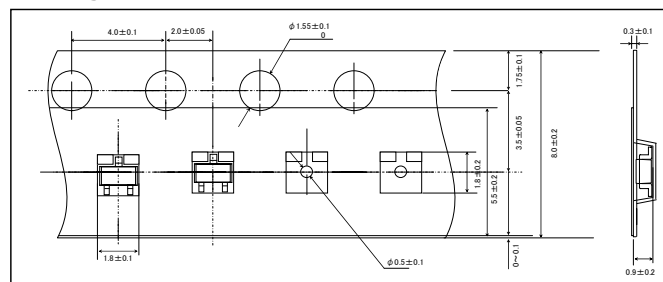
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

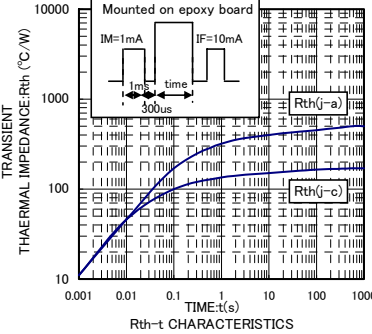
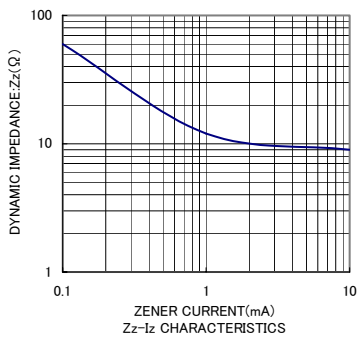
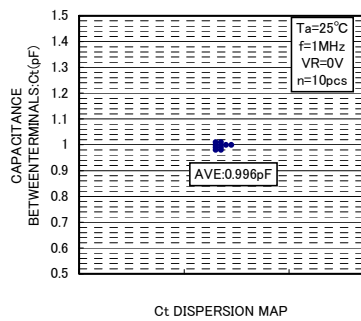
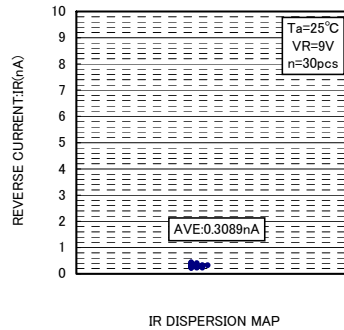
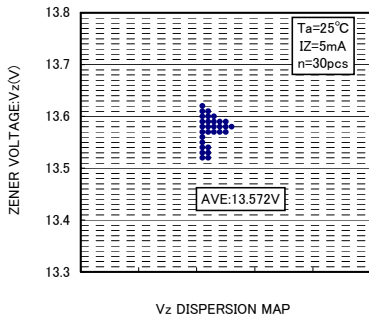
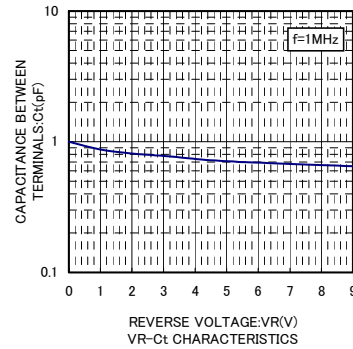
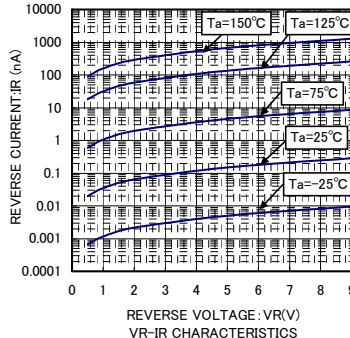
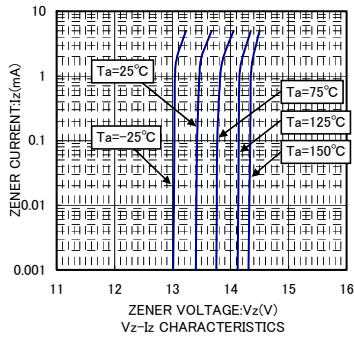
Parameter	Symbol	Limits	Unit
Power dissipation	P	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	9.6	-	14.4	V	I _Z =5mA
Reverse current	I _R	-	-	0.10	μA	V _R =9V
Capacitance between terminals	C _t	-	1	-	pF	f=1MHz, V _R =0V

Diodes

●Electrical characteristics curve



Notes

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