

Low Capacitance Protection Device

RSB12W

●Applications

ESD Protection

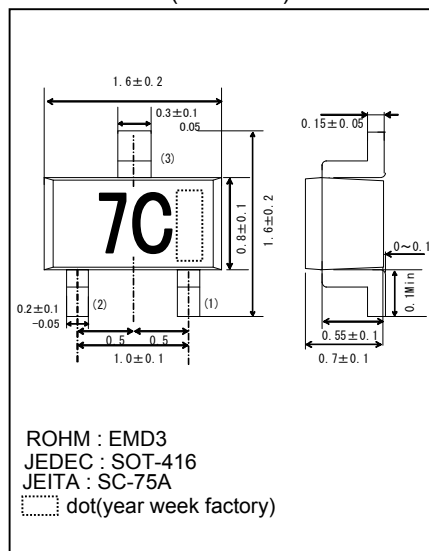
●Features

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

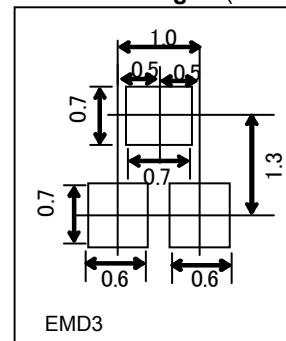
●Construction

Silicon epitaxial planer

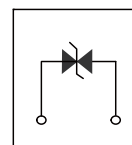
●Dimensions(Unit : mm)



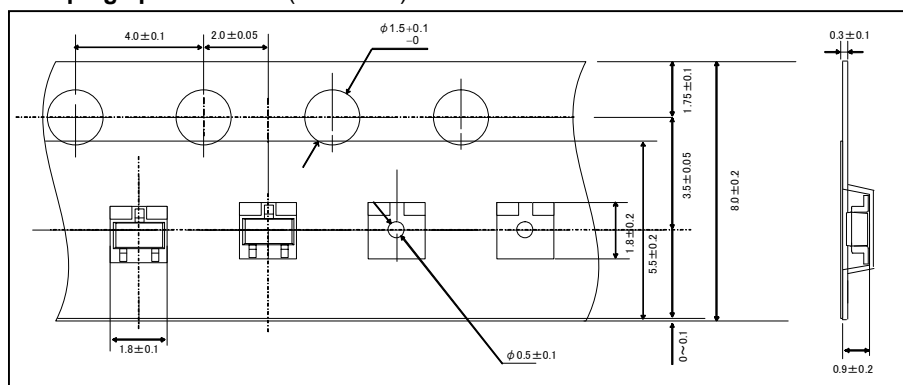
●Land size figure(Unit : mm)



●Structure



●Taping specifications(Unit : mm)



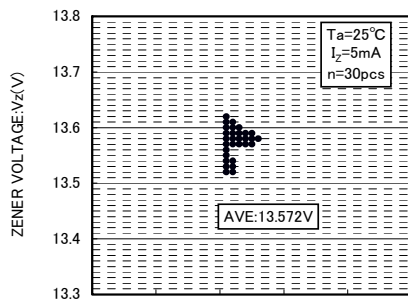
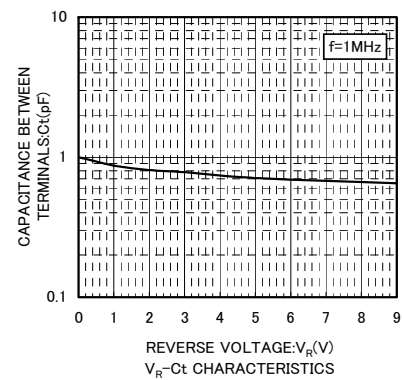
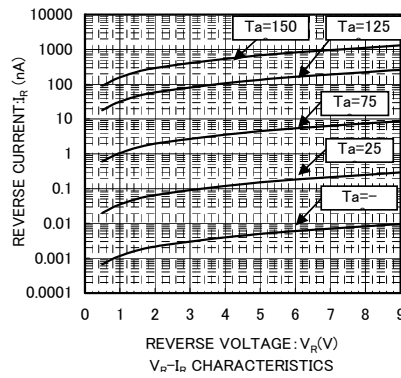
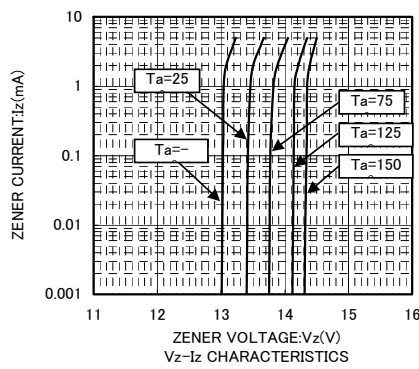
●Absolute maximum ratings (Ta=25°C)

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

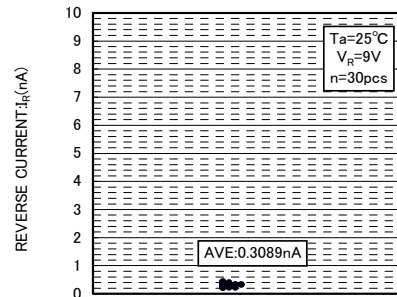
●Electrical characteristics (Ta=25°C)

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

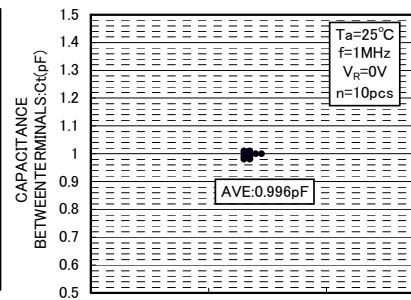
●Electrical characteristics curve



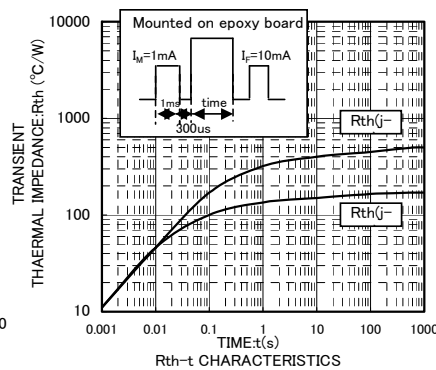
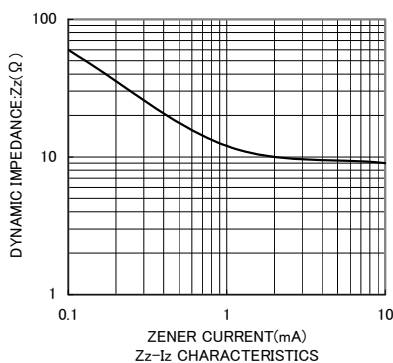
V_Z DISCREPANCY MAP



I_R DISCREPANCY MAP



C_t DISCREPANCY MAP



Notes

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