

ESD Protection diode

EMZC6.8N

●Applications

ESD Protection

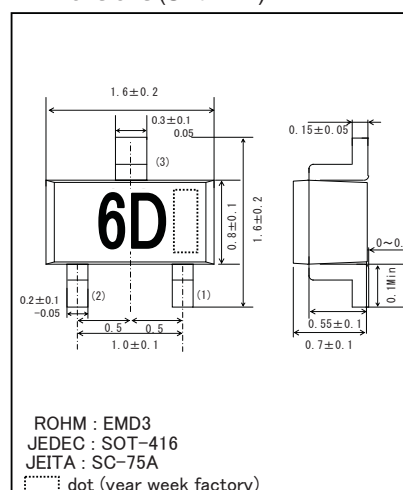
●Features

- 1) Ultra mold type. (EMD3)
- 2) Low Capacitance

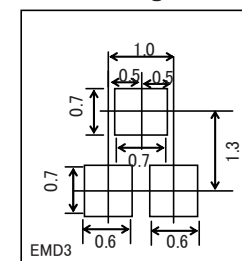
●Construction

Silicon epitaxial planer

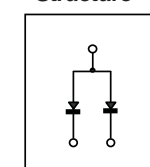
●Dimensions (Unit : mm)



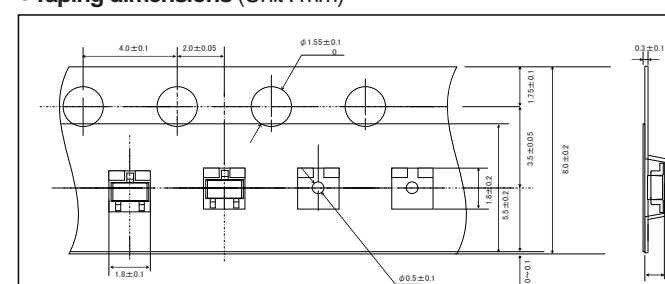
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

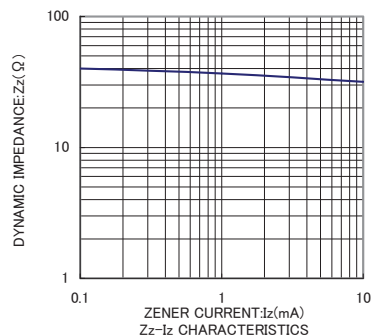
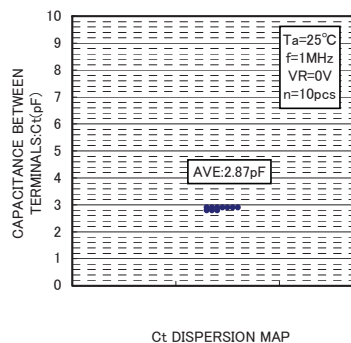
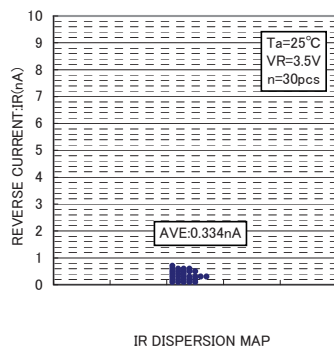
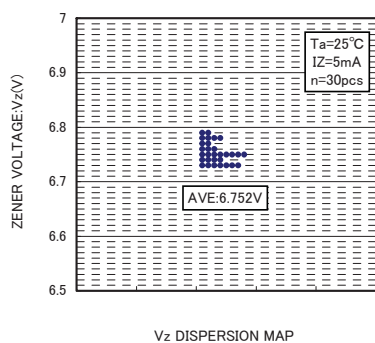
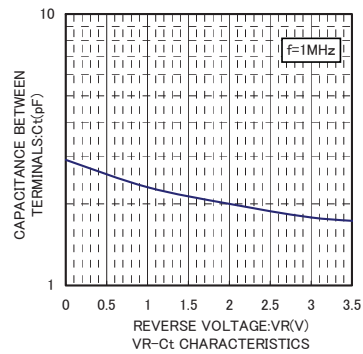
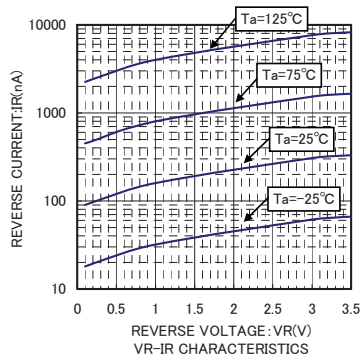
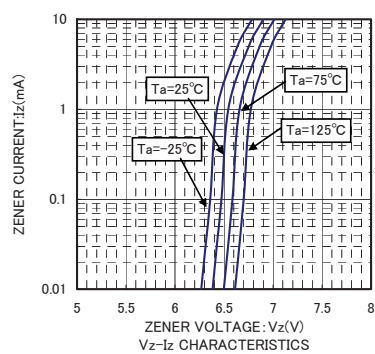
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

(*1) Total of 2 elements

●Electrical characteristic (Ta=25°C) (* Rating of per diode)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.65	-	6.93	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Capacitance between terminals	C _t	-	3	-	pF	f=1MHz, V _R =0V

●Electrical characteristic curves



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