

# ESD Protection diode

## EMZC6.8N

### ●Applications

ESD Protection

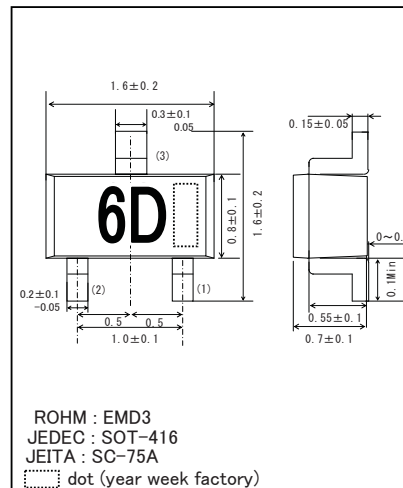
### ●Features

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

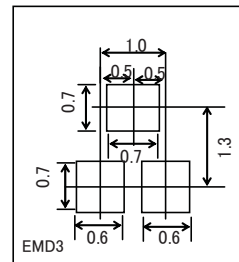
### ●Construction

Silicon epitaxial planer

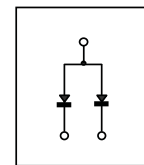
### ●Dimensions (Unit : mm)



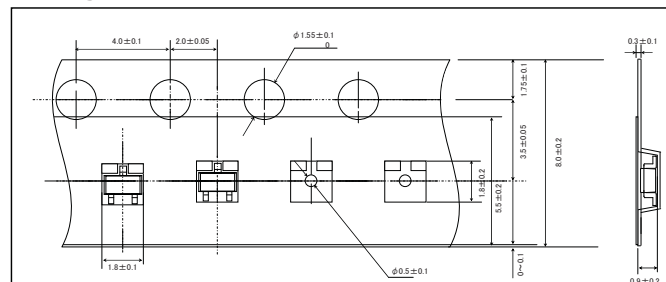
### ●Land size figure



### ●Structure



### ●Taping dimensions (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	150	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

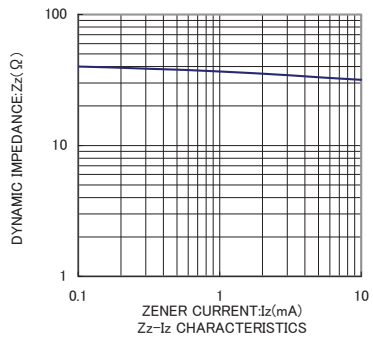
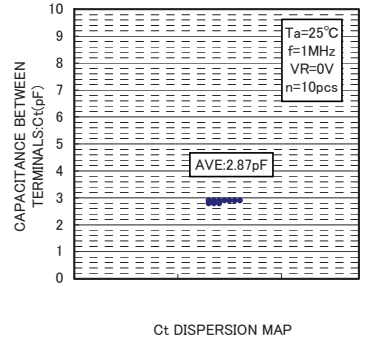
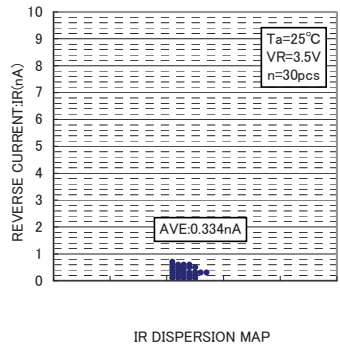
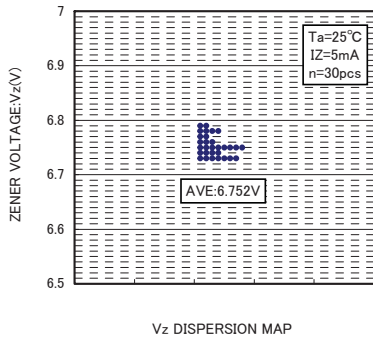
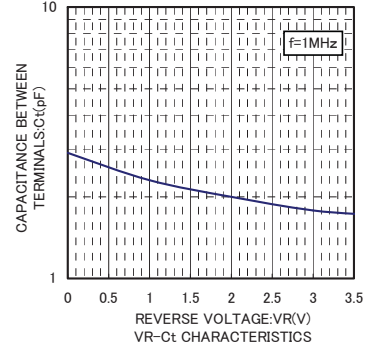
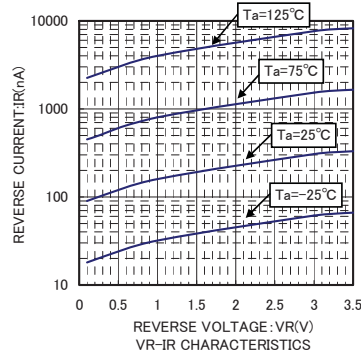
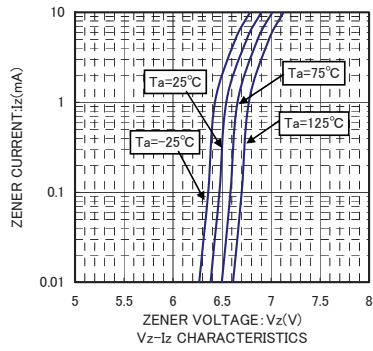
(\*1) Total of 2 elements

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	6.65	-	6.93	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.50	μA	V <sub>R</sub> =3.5V
Capacitance between terminals	C <sub>t</sub>	-	3	-	pF	f=1MHz, V <sub>R</sub> =0V

Diodes

●Electrical characteristic curves



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