# **ESD** Protection diode

# **EMZC6.8N**

#### Applications

ESD Protection

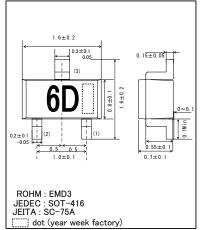
#### ● Features

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

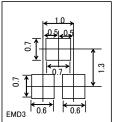
#### Construction

Silicon epitaxial planer

#### ●Dimensions (Unit: mm)



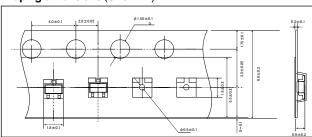
# ●Land size figure



#### Structure



#### ● Taping dimensions (Unit: mm)



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

Parameter	Symbol	Limits	Unit
Power dissipation (*1)	Р	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

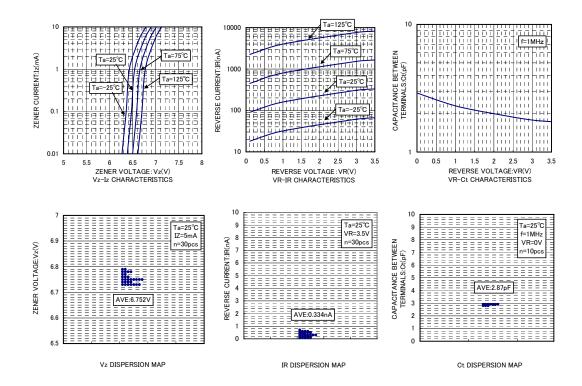
<sup>(\*1)</sup> Total of 2 elements

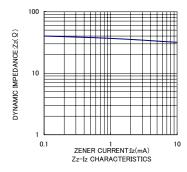
## ●Electrical characteristic (Ta=25°C) (\* Rating of per diode)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	$V_Z$	6.65	-	6.93	V	I <sub>Z</sub> =5mA
Reverse current	$I_R$	-	-	0.50	μΑ	V <sub>R</sub> =3.5V
Capacitance between terminals	$C_{t}$	-	3	-	pF	f=1MHz,V <sub>R</sub> =0V



#### •Electrical characteristic curves





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Appendix1-Rev2.0