

# **ESD Protection Diode**

# EMZT6.8E

# Applications

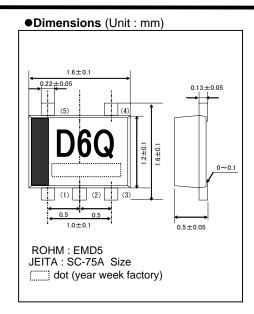
ESD Protection (Common anode)

#### Features

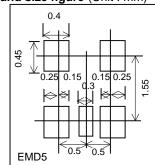
- 1)Ultra small mold type. (EMD5)
- 2)Low Capacitance
- 3)High reliability

# Construction

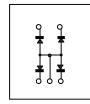
Silicon epitaxial



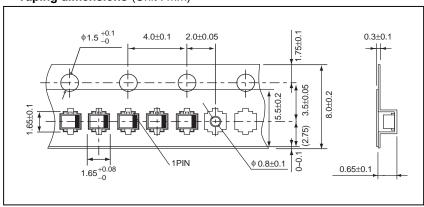
# ●Land size figure (Unit : mm)



Structure



# ●Taping dimensions (Unit : mm)



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

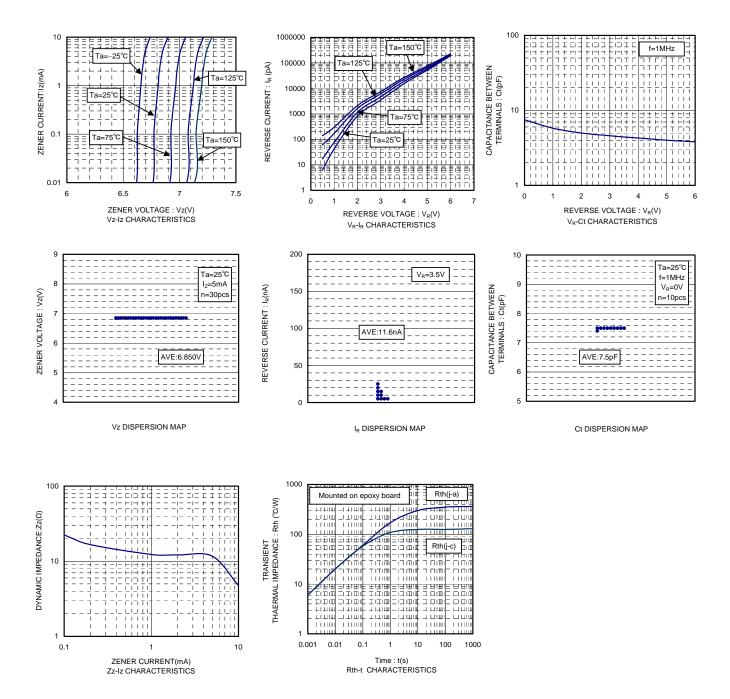
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	Р	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C

<sup>(\*1)</sup> Total of 4 elements

#### ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	$V_Z$	6.47	-	7.14	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.50	μA	V <sub>R</sub> =3.5V
Junction capacitance	Ct	-	7.0	-	РF	V <sub>R</sub> =0V f=1MHz

XZener voltage(VZ) shall be measured at 40ms after loading current.



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