

ESD Protection Diode

EMZT6.8E

●Applications

ESD Protection
(Common anode)

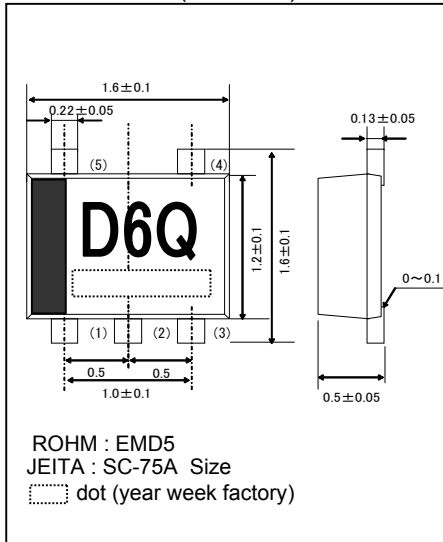
●Features

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

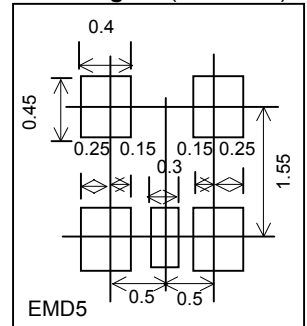
●Construction

Silicon epitaxial

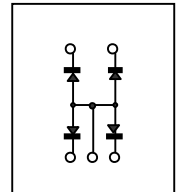
●Dimensions (Unit : mm)



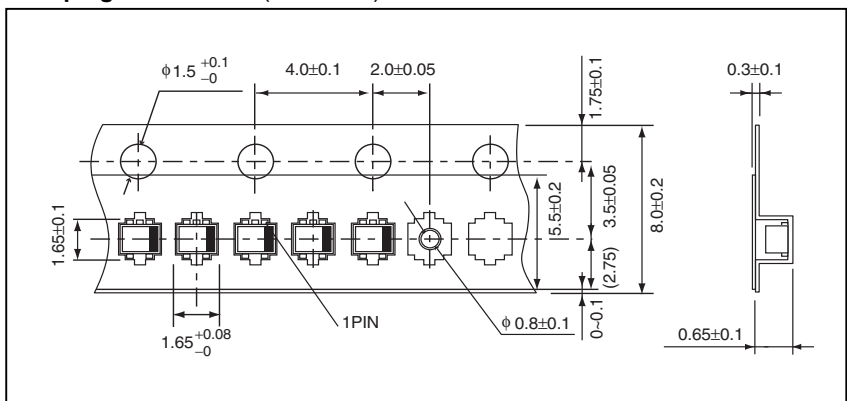
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

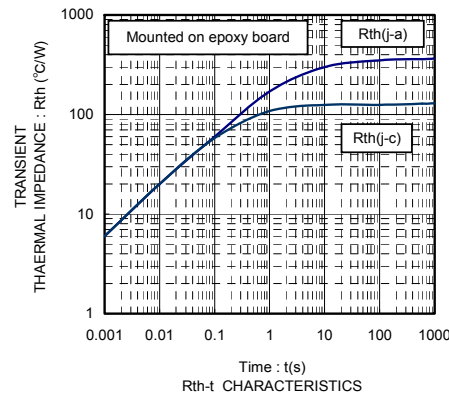
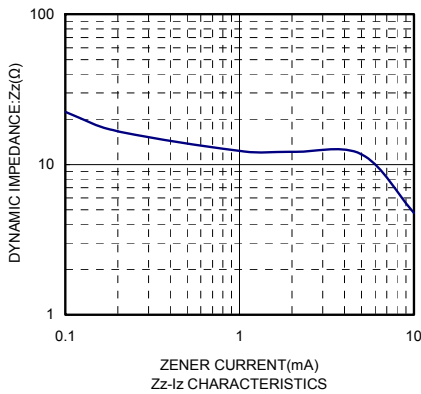
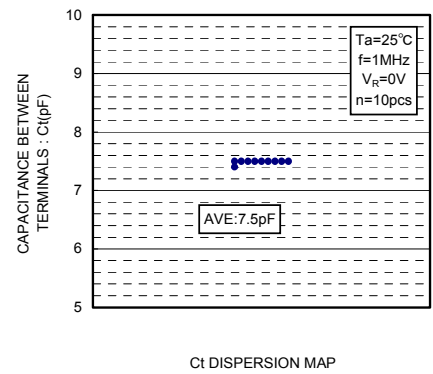
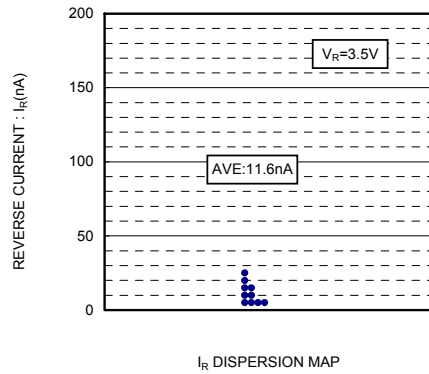
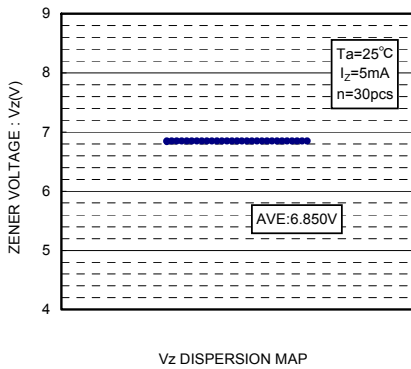
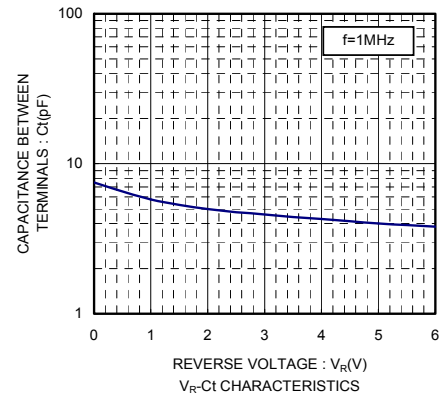
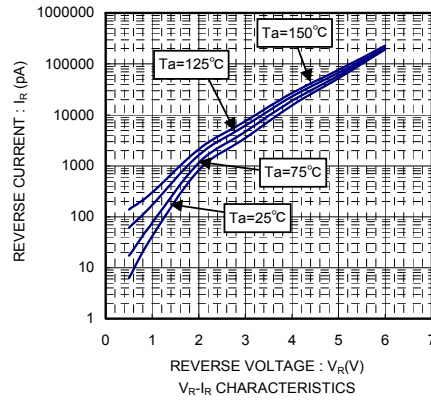
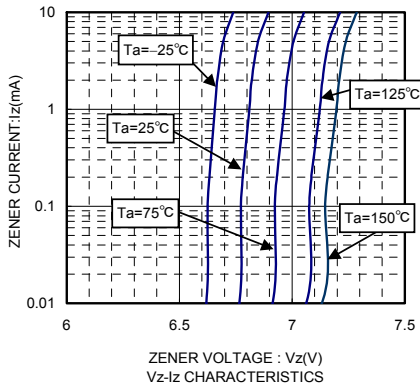
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

(*1) Total of 4 elements

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.47	-	7.14	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Junction capacitance	C _t	-	7.0	-	pF	V _R =0V f=1MHz

※Zener voltage(V_Z) shall be measured at 40ms after loading current.



Notes

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