ESD Protection diode

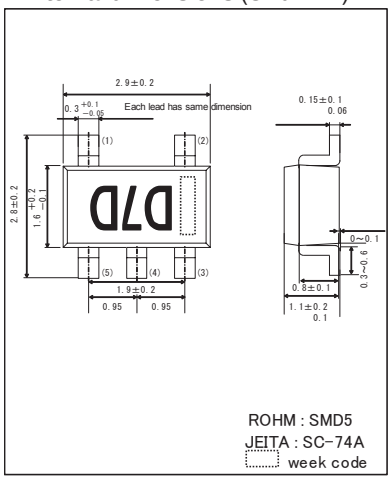
FTZ4.3E

●Applications
ESD Protection
(common anode configuration)

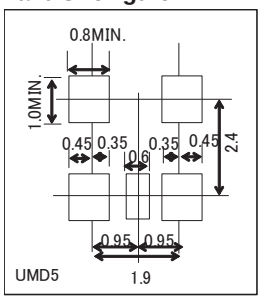
●Features
1) Small mold type. (UMD3)
2) High reliability

●Construction
Silicon epitaxial planar

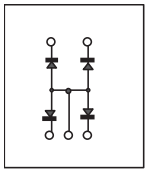
●External dimensions (Unit : mm)



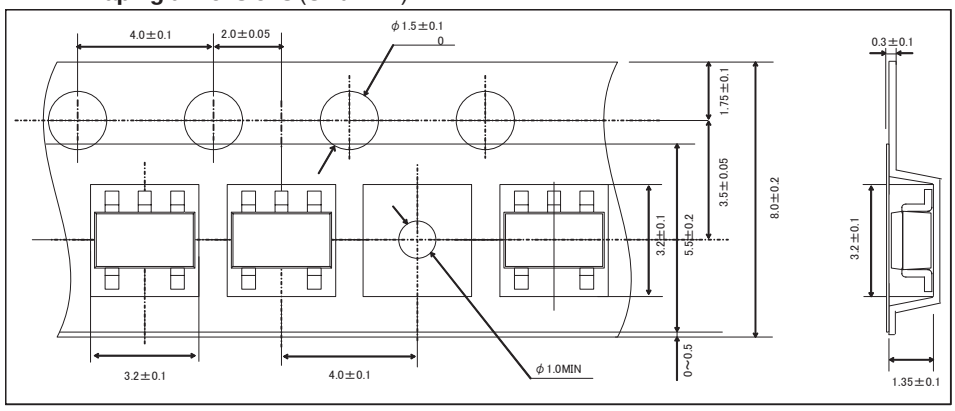
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation (∗1)	P(∗)	200	mW
Junction temperature	Tj	150	℃
Storage temperature	Tstg	-55 to +150	℃

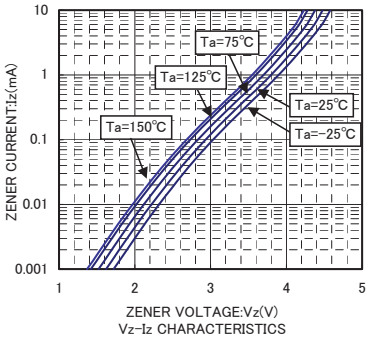
(∗) Rating of per diode

●Electrical characteristic (Ta=25°C) (∗ Per chip)

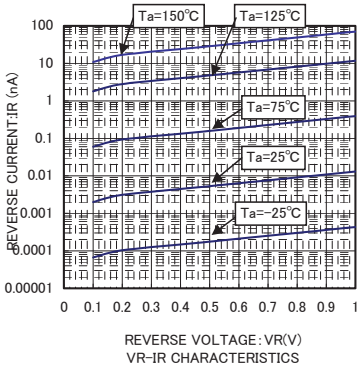
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V_Z	4.04	-	4.57	V	I_Z=5mA
Reverse current	I_R	-	-	5.0	μA	V_R=1.0V
Operating resistance	Z_Z	-	-	100	Ω	Iz=5mA

∗Zener voltage is measured with 40msec current supply

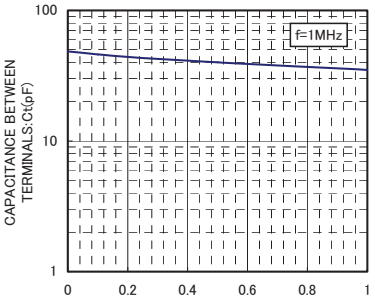
●Electrical characteristic curves



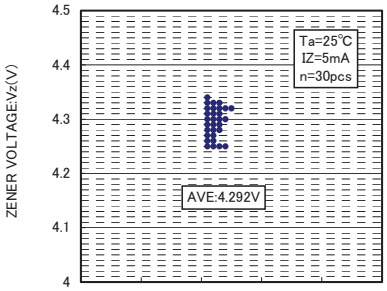
Vz–Iz CHARACTERISTICS



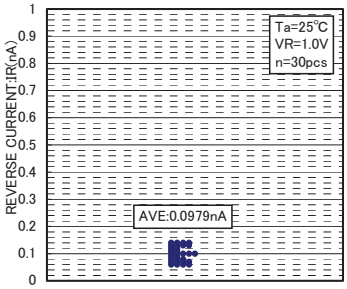
VR–IR CHARACTERISTICS



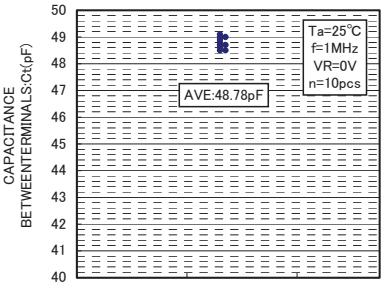
VR–Ct CHARACTERISTICS



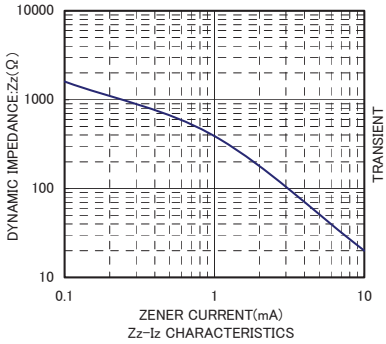
Vz DISRESION MAP



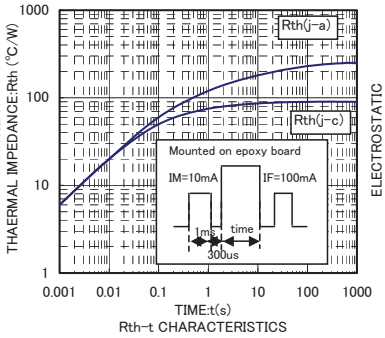
IR DISRESION MAP



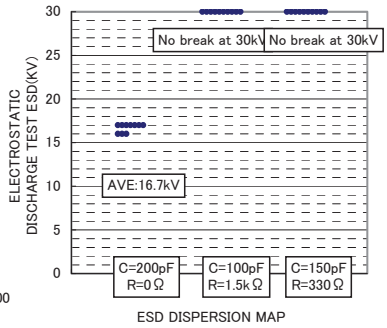
Ct DISRESION MAP



Zz–Iz CHARACTERISTICS



Rth–t CHARACTERISTICS



ESD DISPERSION MAP

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