

Bi direction ESD Protection Diode

RSB36V

●Applications

ESD Protection

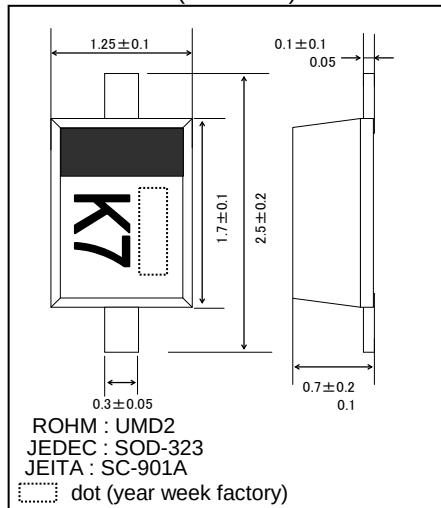
●Features

- 1) Small mold type. (UMD2)
- 2) High reliability.
- 3) Bi-directionality.

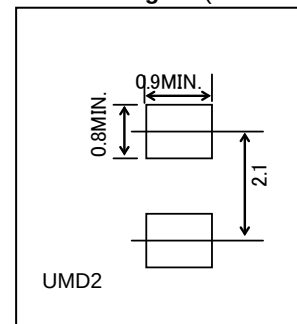
●Constructions

Silicon epitaxial planer

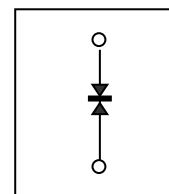
●Dimensions (Unit : mm)



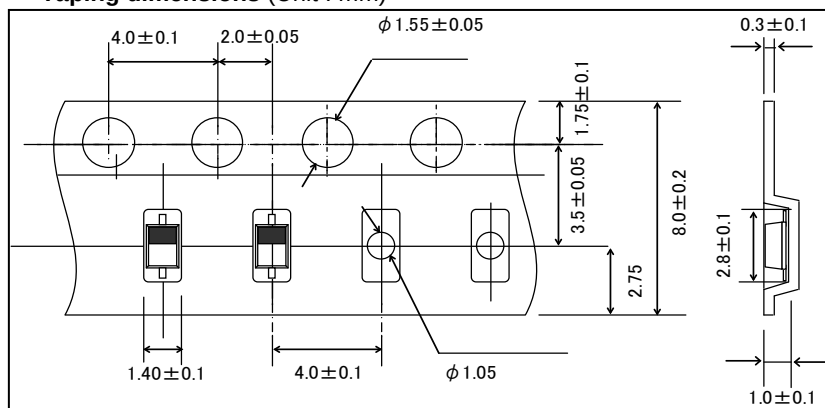
●Land size figure (Unit : mm)



● Structure



●Taping dimensions (Unit : mm)



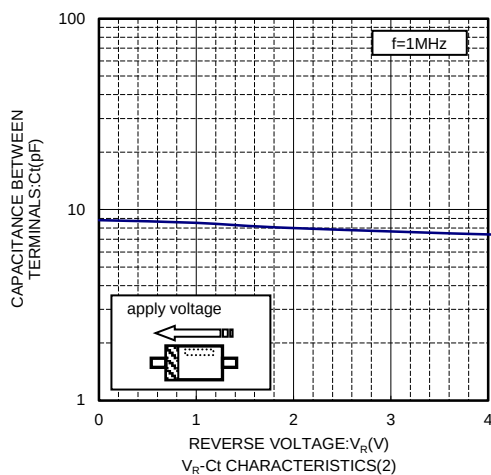
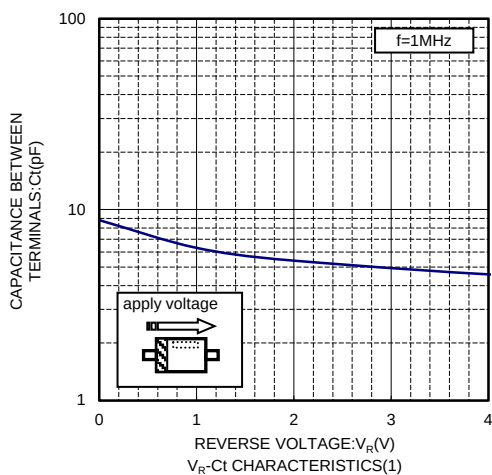
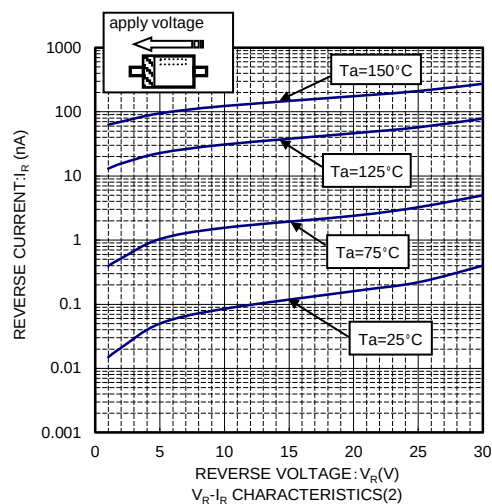
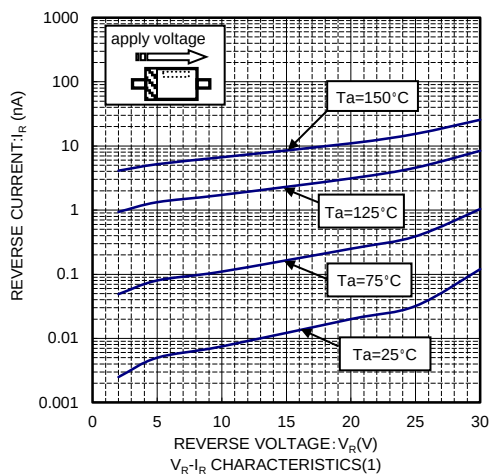
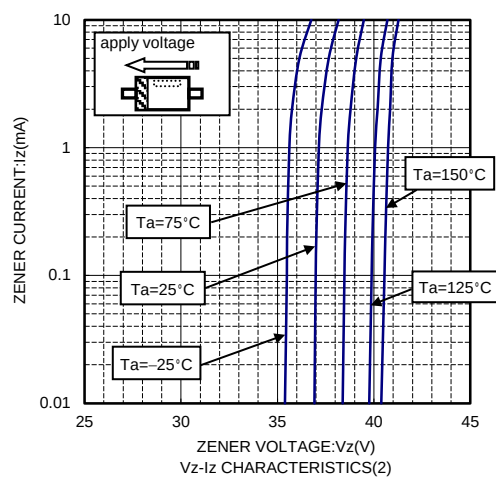
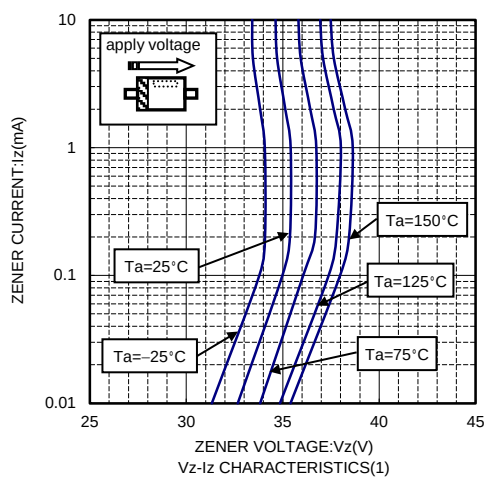
●Absolute maximum ratings (Ta=25°C)

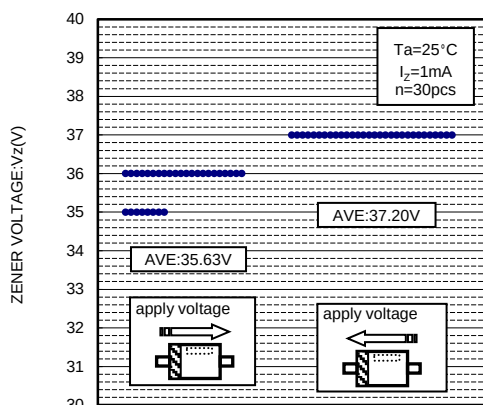
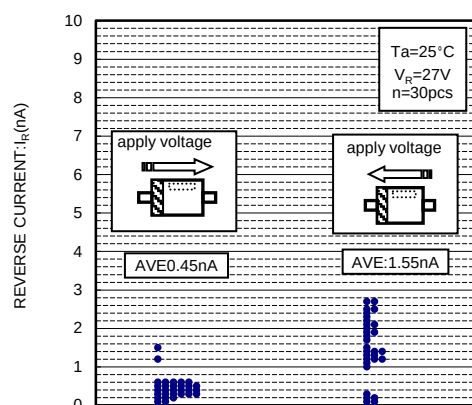
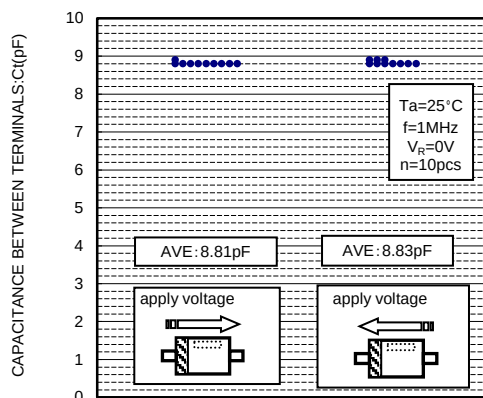
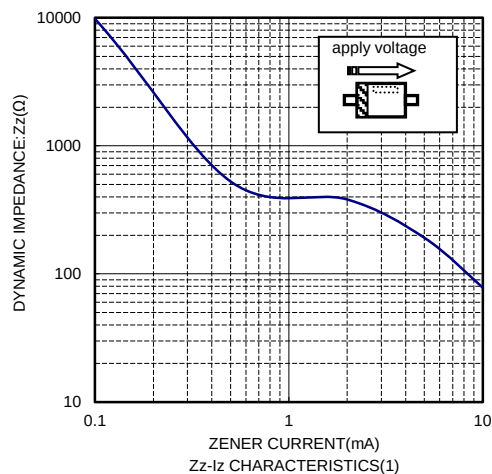
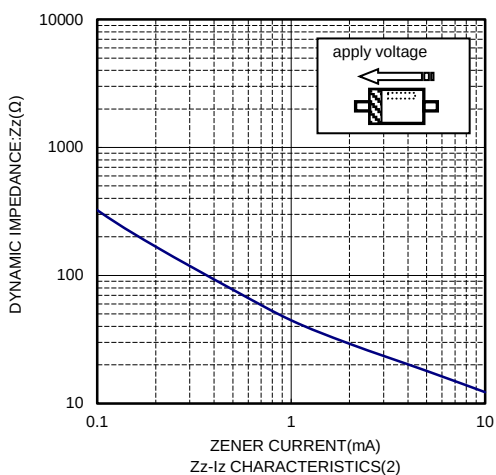
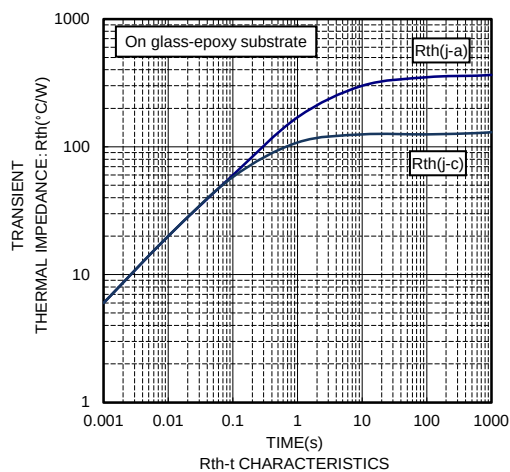
Parameter	Symbol	Limits	Unit
Power dissipation	Pd	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

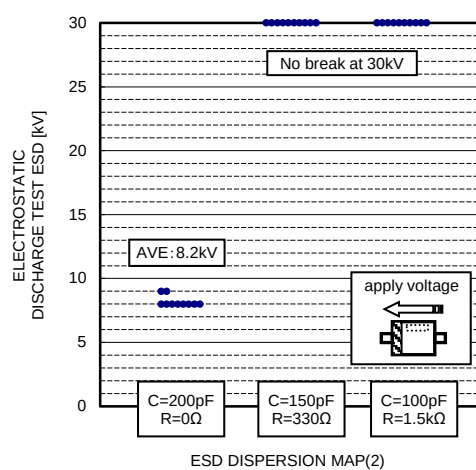
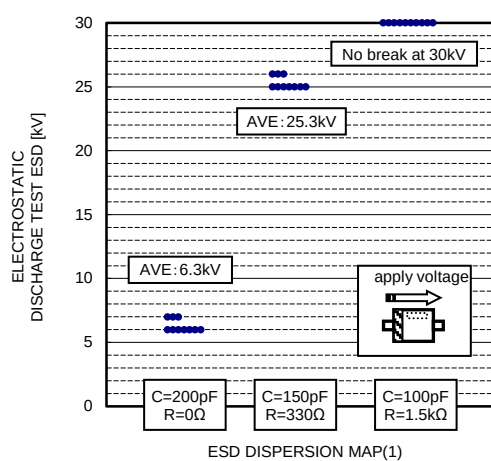
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V_Z	32.4	-	39.6	V	$I_Z=1\text{mA}$
Reverse current	I_R	-	-	0.1	μA	$V_R=27\text{V}$
Junction capacitance	C_t	-	-	30	pF	$V_R=0\text{V}$, $f=1\text{MHz}$

* Zener voltage (V_z) shall be measured at 40ms after loading current.



V_z DISPERSION MAP I_R DISPERSION MAPC_t DISPERSION MAPZ_z-I_z CHARACTERISTICS(1)Z_z-I_z CHARACTERISTICS(2)R_{th}-t CHARACTERISTICS



Notes

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