

# ESD Protection Device (TVS)

## RSA12M

●Applications

ESD Protection

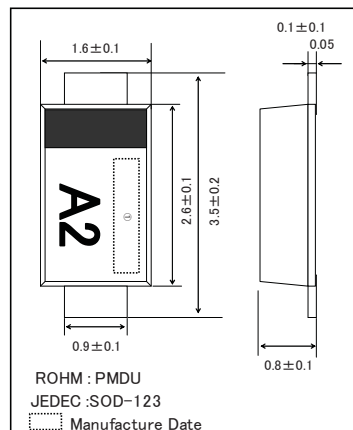
●Features

- 1) Small power mold type. (PMDU)
- 2) High reliability

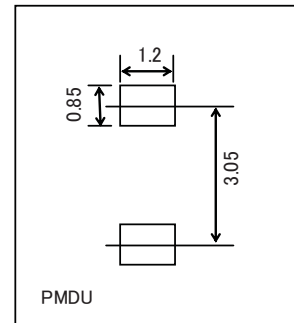
●Construction

Silicon epitaxial planar

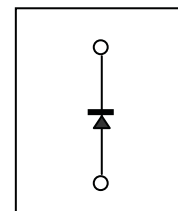
●Dimensions (Unit : mm)



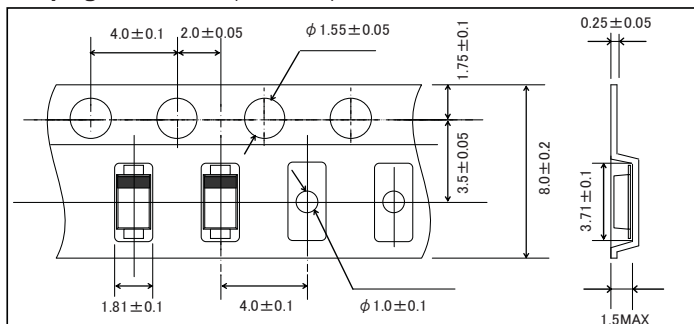
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

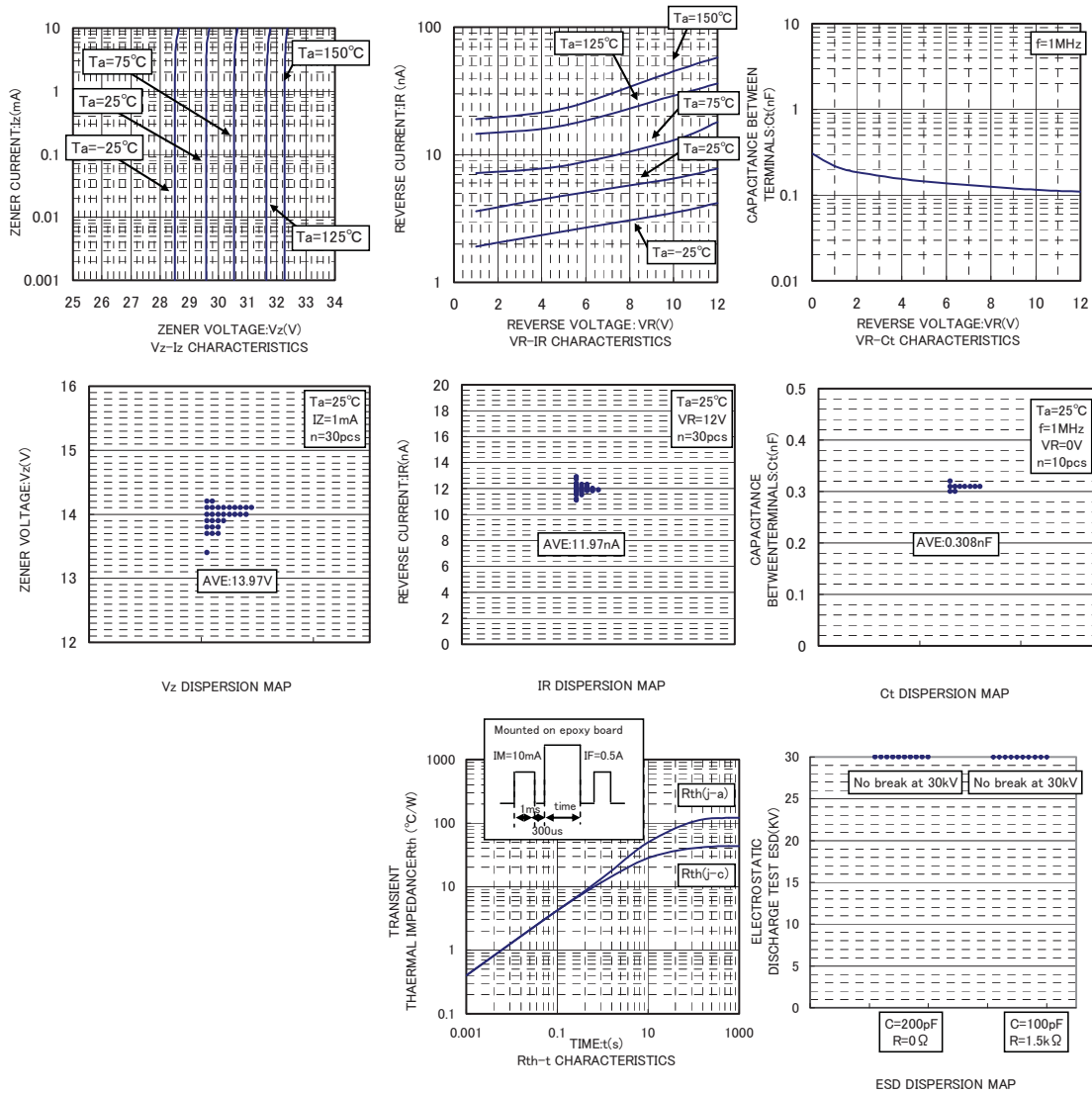
Parameter	Symbol	Limits	Unit
Peak pulse power(tp=10×1000us)	Ppk	200	W
Stand off power	V <sub>RMN</sub>	12	V
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Breakdown voltage	V <sub>BR</sub>	13.3	-	14.7	V	I <sub>R</sub> =1.0mA
Clamping voltage	V <sub>C</sub>	-	-	19.9	V	I <sub>pp</sub> =10.1A
Reverse current	I <sub>R</sub>	-	-	2.5	uA	V <sub>RMN</sub> =12.0V

Diodes

●Electrical characteristic curves



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