

# ESD protection device (TVS)

## RSA30L

● **Applications**

For terminal protection device

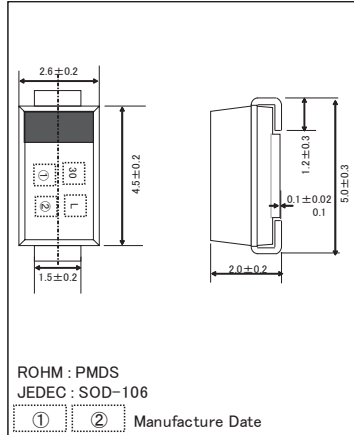
● **Features**

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

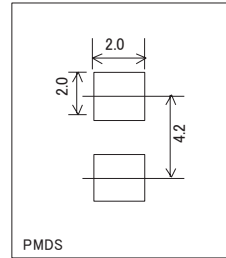
● **Construction**

Silicon epitaxial planar

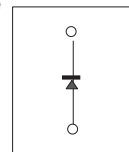
● **External dimensions (Unit : mm)**



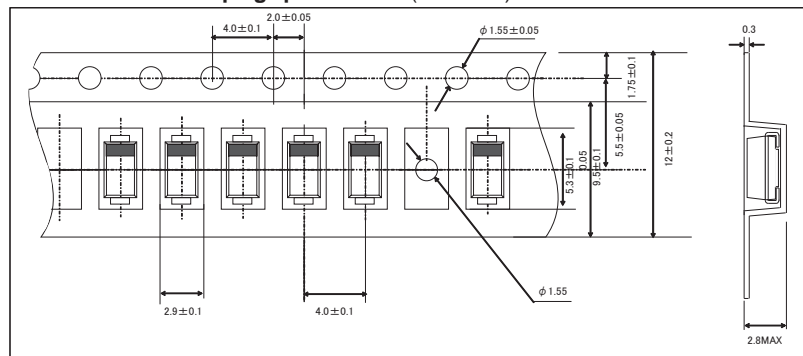
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping specifications (Unit : mm)**



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

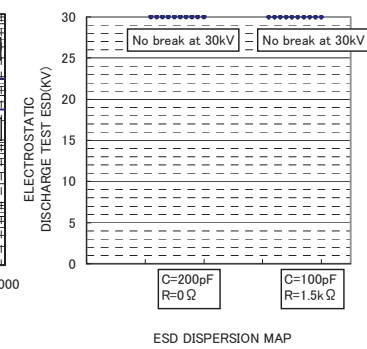
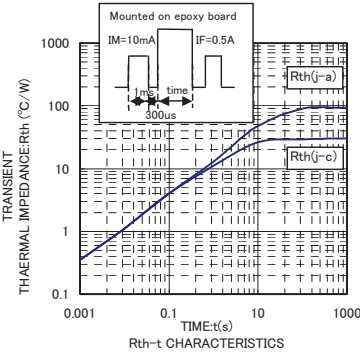
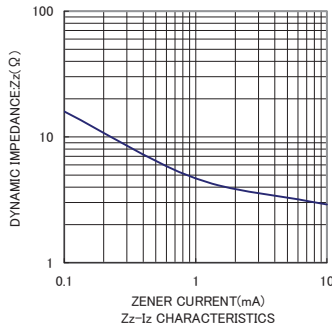
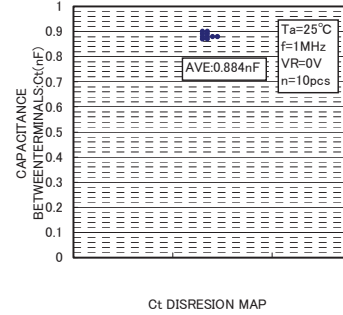
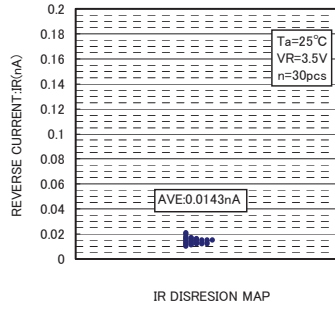
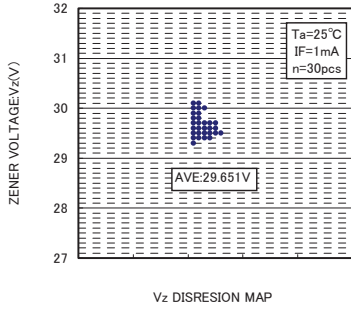
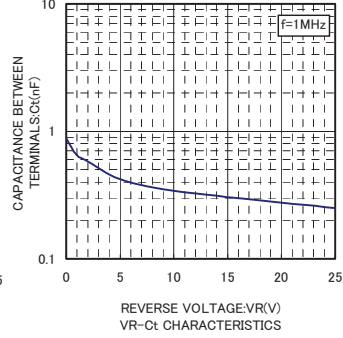
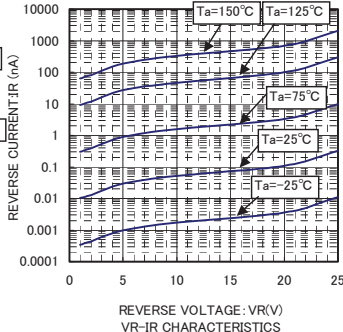
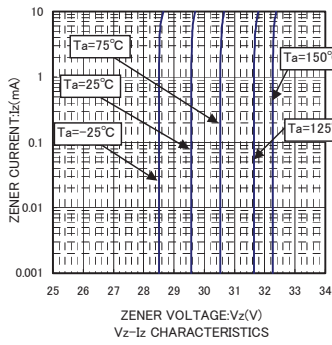
Parameter	Symbol	Limits	Unit
Peak pulse (tp=10 × 1000us)	Ppk	600	W
Stand off power	V <sub>RMN</sub>	25.6	V
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Breakdown voltage	V <sub>BR</sub>	28.5	-	31.5	V	I <sub>R</sub> =1.0mA
Clamping voltage	V <sub>C</sub>	-	-	41.4	V	V <sub>pp</sub> =14.4V
Reverse current	I <sub>R</sub>	-	-	5	uA	V <sub>RMN</sub> =25.6V

Diodes

● Electrical characteristic curves (Ta=25°C)



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