

ESD Protection Device (TVS)

RSA12L

●Applications

ESD Protection

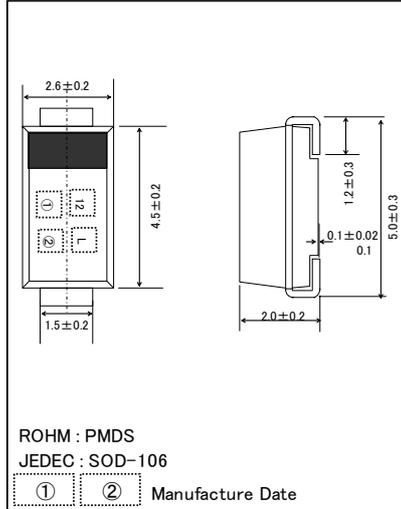
●Features

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

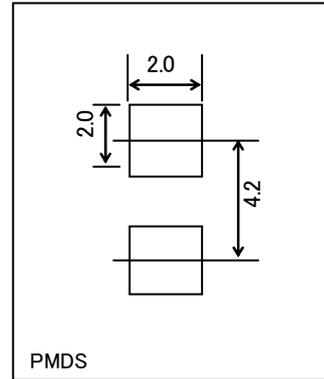
●Construction

Silicon epitaxial planar

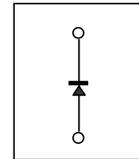
●Dimensions (Unit : mm)



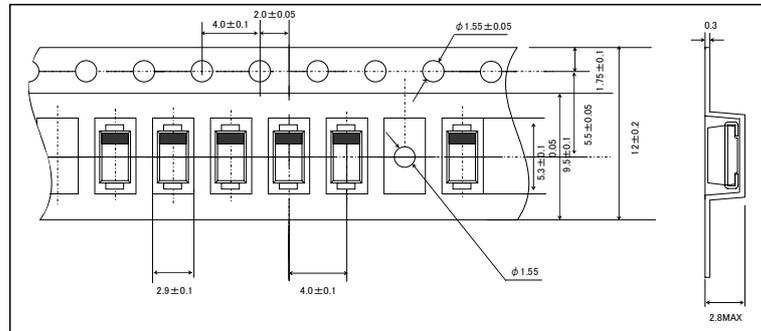
● Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

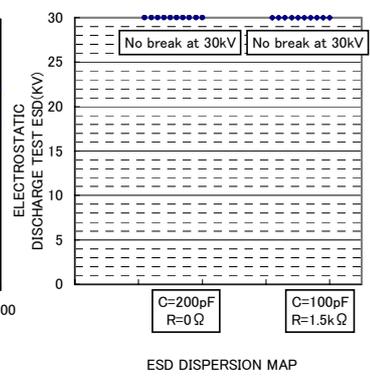
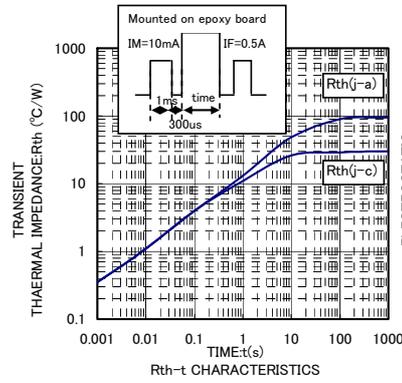
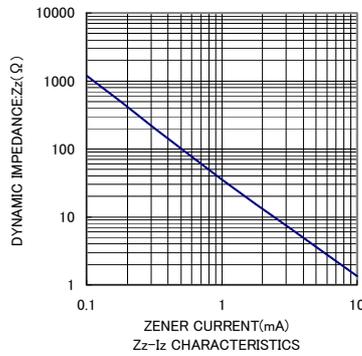
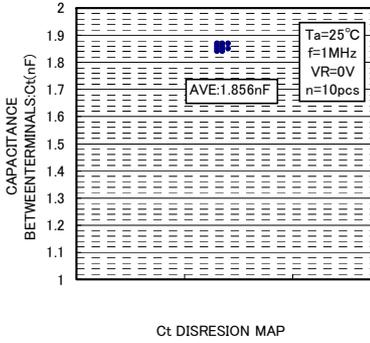
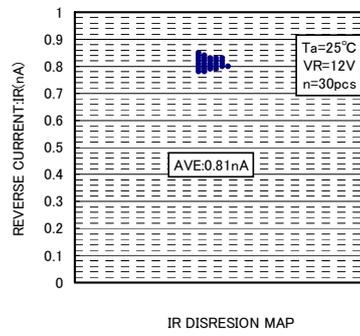
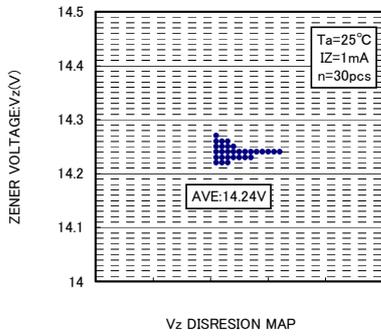
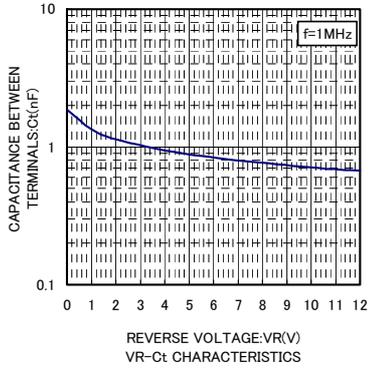
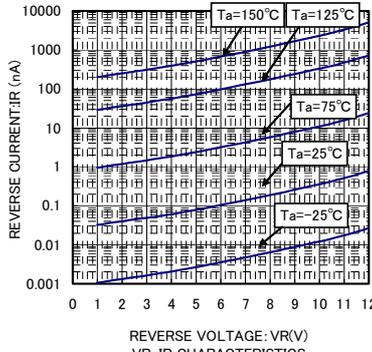
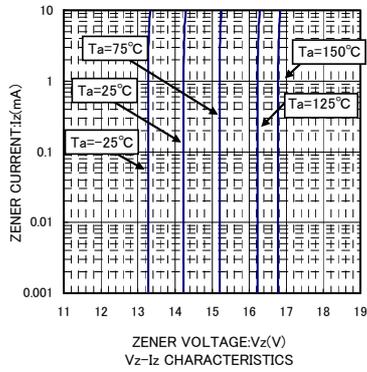
Parameter	Symbol	Limits	Unit
Peak pulse power (tp=10x1000us)	Ppk	600	W
Stand off power	V _{RMN}	12	V
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Breakdown voltage	V _{BR}	13.3	-	14.7	V	I _R =1mA
Clamping voltage	V _C	-	-	19.5	V	I _{pp} =31.0A
Reverse current	I _R	-	-	2.5	uA	V _{RMN} =12.0V

Diodes

●Electrical characteristic curves (Ta=25°C)



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