# ESD Protection Device (TVS)

# RSA12M

#### Applications

**ESD Protection** 

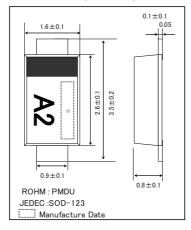
#### ● Features

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

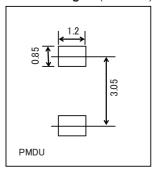
#### Construction

Silicon epitaxial planar

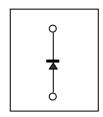
#### ●Dimensions (Unit:mm)



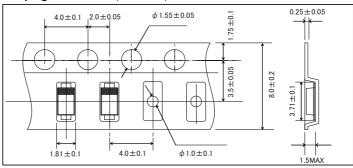
## ●Land size figure (Unit : mm)



**●Structure** 



## ● Taping dimensions (Unit: mm)



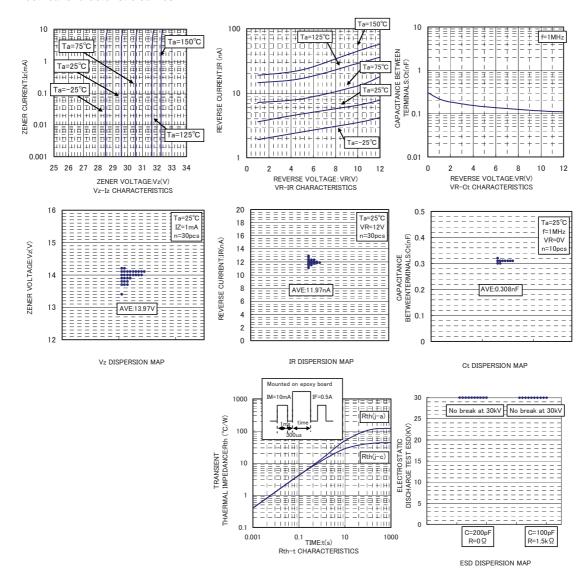
#### ● Absolute maximum ratings (Ta=25°C)

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Parameter	Symbol	Limits	Unit				
Peak pulse power(tp=10×1000us)	Ppk	200	W				
Stand off power	$V_{RMN}$	12	V				
Junction temperature	Tj	150	°C				
Storage temperature	Tstg	-55 to +150	°C				

# ●Electrical characteristic (Ta=25°C)

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

#### •Electrical characteristic curves



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