

ESD Protection Device (TVS)

RSA5M

● Applications

ESD Protection

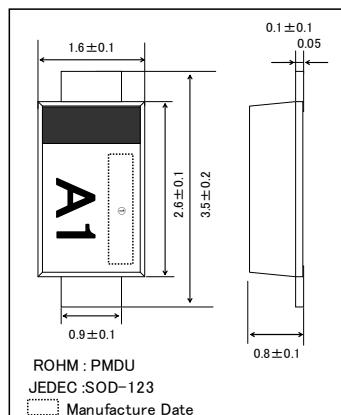
● Features

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

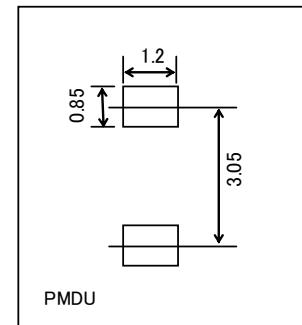
● Construction

Silicon epitaxial planar

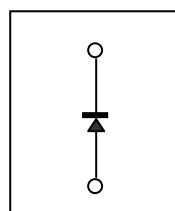
● Dimensions (Unit : mm)



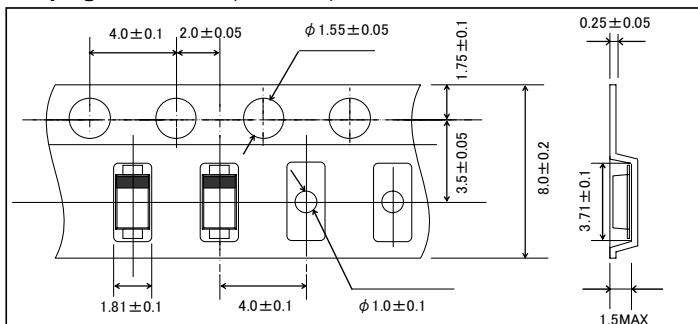
● Land size figure (Unit : mm)



● Structure



● Taping dimensions (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

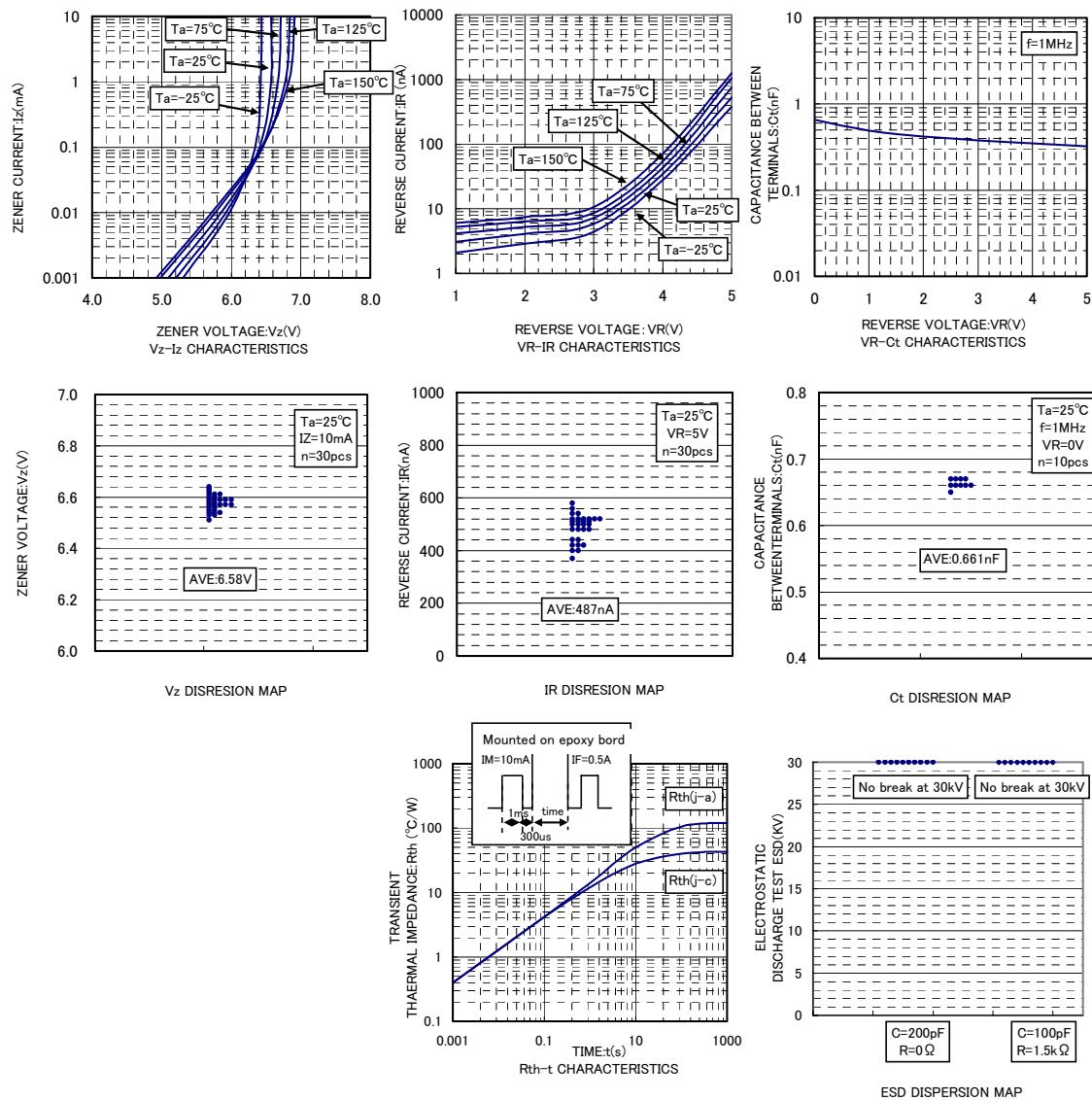
Parameter	Symbol	Limits	Unit
Peak pulse power($tp=10 \times 1000 \mu s$)	Ppk	200	W
Stand off power	V_{RMN}	5	V
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

● Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Breakdown voltage	VBR	6.4	-	7.0	V	$I_R=10.0 \mu A$
Clamping voltage	VC	-	-	9.2	V	$I_{pp}=21.7 A$
Reverse current	IR	-	-	400	uA	$V_{RMN}=5.0 V$

Diodes

● Electrical characteristic curves



Appendix

Notes

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