ESD Protection Device (TVS)

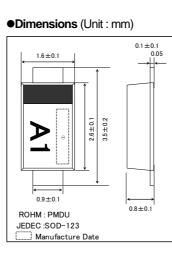
RSA5M

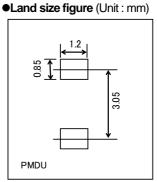
Applications
 ESD Protection

Features1) Small power mold type. (PMDU)

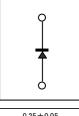
2) High reliability

•Construction Silicon epitaxial planar

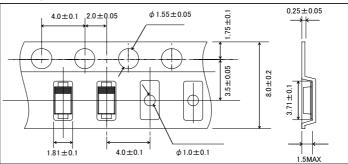




Structure



•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 _{RMN}	5	V
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

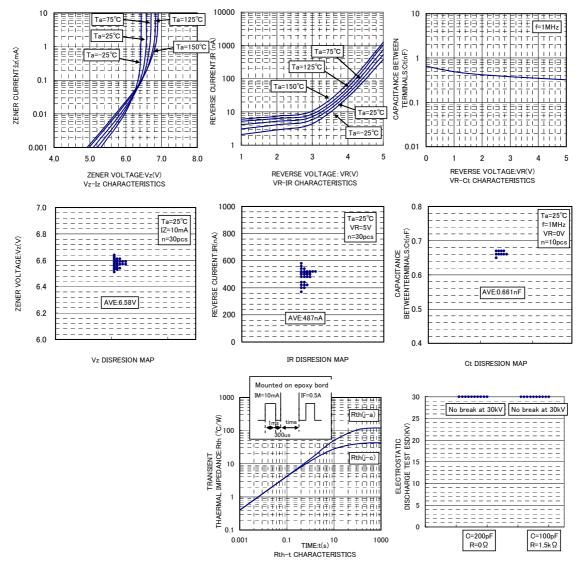
●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Breakdown voltage	VBR	6.4	-	7.0	V	I _R =10.0mA
Clamping voltage	VC	-	-	9.2	V	I _{pp} =21.7A
Reverse current	IR	-	-	400	uA	V _{RMN} =5.0V



Diodes

•Electrical characteristic curves



ESD DISPERSION MAP

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Appendix1-Rev2.0

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