

ESD Protection Devices (TVS)

RSA5L

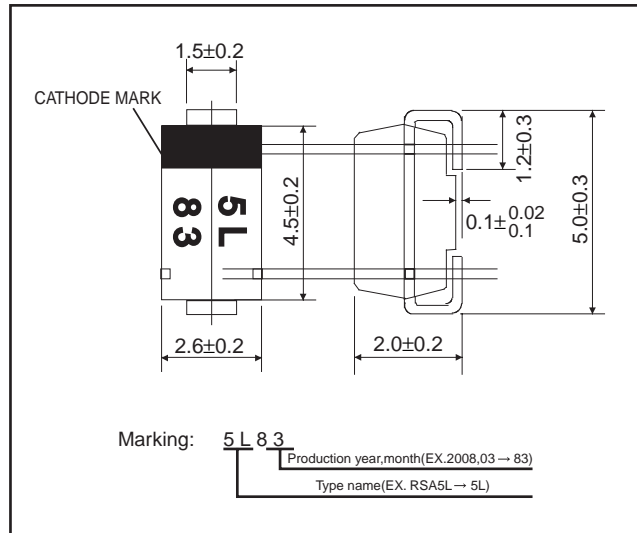
●Description

RSA5L is small but high-power device encapsulated in PMDS (4.5x2.6mm) package and is high ESD-resisant device, suitable for surge protection circuit in all appliances like consumer electronics and automotive application.

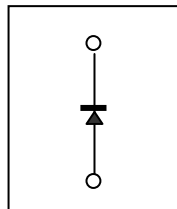
●Features

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

●Dimintions (Unit : mm)



● Structure



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Peak pulse power (tp=10x1000µs)	Ppk	600	W
Stand-off voltage	V _{RWM}	5.8	V
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

● Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Max.	Unit	Conditions
Breakdown voltage	V _{BR}	6.45	7.14	V	I _T =10mA
Clamping voltage	V _C 10/1000µS	-	10.5	V	I _{pp} =57A
Reverse current	I _R	-	800	µA	V _{RWM} =5.8V

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