

# ESD Protection Devices (TVS)

## RSA5L

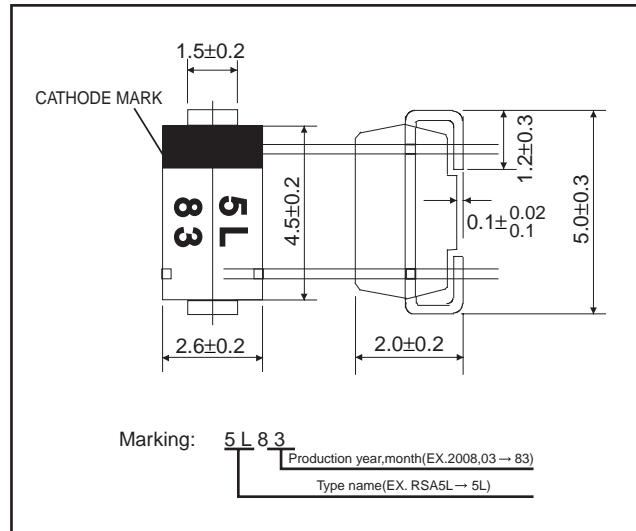
### ●Description

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

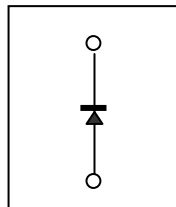
### ●Features

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

### ●Dimensions (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 <sub>RWM</sub>	5.8	V
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

### ● Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Max.	Unit	Conditions
Breakdown voltage	V <sub>BR</sub>	6.45	7.14	V	I <sub>T</sub> =10mA
Clamping voltage	V <sub>C</sub> 10/1000μS	-	10.5	V	I <sub>pp</sub> =57A
Reverse current	I <sub>R</sub>	-	800	μA	V <sub>RWM</sub> =5.8V

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