

# ESD Protection Devices (TVS)

## RSA5L

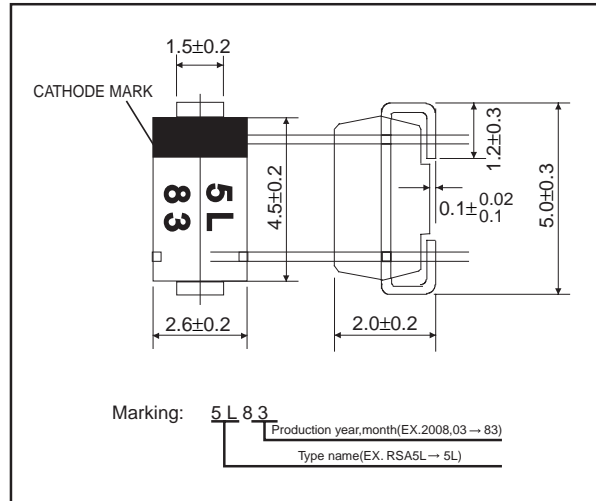
**●Description**

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.

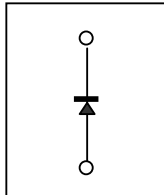
**●Features**

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

**●Dimentions (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	VBR	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	IR	-	800	µA	V <sub>RWM</sub> =5.8V

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