

RSA6.1U5

Diodes

# ESD Protection diode (Silicon Epitaxial Planer)

## RSA6.1U5

●Application

ESD Protection

●Features

- 1) Small mold type (SMD6)
- 2) High reliability

●Absolute maximum ratings (Ta=25°C)

Power dissipation	P	200mW
Peak Pulse Power -1(tp=10×1000µs)	Ppk-1	30 W
Peak Pulse Power -2(tp= 8×20µs)	Ppk-2	200 W
Junction temperature	Tj	150°C
Storage temperature	Tstg	-55 to 150°C

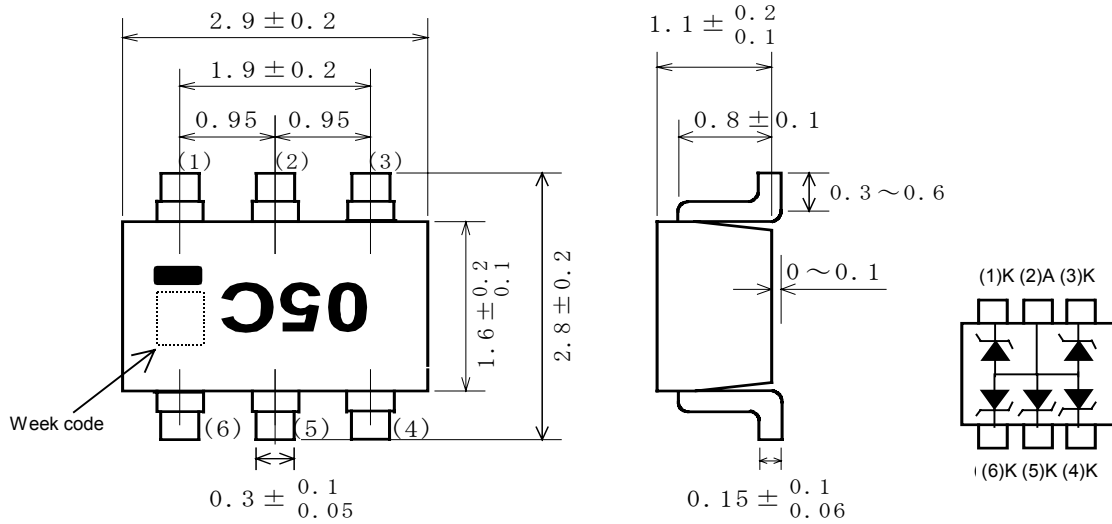
●Electrical characteristics (Ta=25°C) (\*Rating of per diode)

Characteristic	Symbol	Test condition	Standard	
			MIN.	MAX.
Zener Voltage	Vz	Iz= 1 mA	6.10 V	7.20 V
Reverse current	IR	VR= 3.0 V	-	1.0µA
Forward current	VF	IF= 200 mA		1.25 V
Junction capacitance	Ct	f= 1MHz VR= 0 V	200 pF	TYP.

\* Zener voltage (Vz) shall be measured at 40ms after loading current.

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●External dimensions (Unit : mm)



●Other

Characteristic	IEC-61000-4-2	
Equipment	Charge discharge Capacitance	: 150 pF
Composition	Discharge resistance	: 330 $\Omega$
Criterion	Repeat by 10 times	No erroneous operation
	Contact	: $\pm 9$ kV
	In air	: $\pm 16$ kV

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