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	Р	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

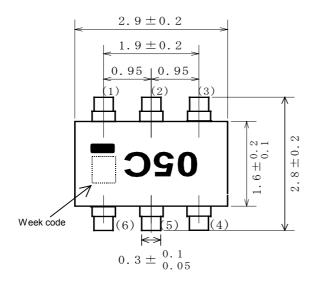
•Electrical characteristics (Ta=25°C) (*Rating of per diode)

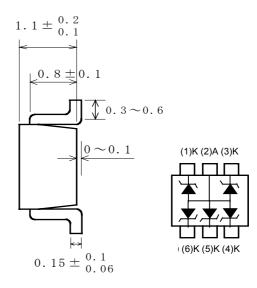
Characteristic	Symbol	Test condition		Standard	
Characteristic	Symbol			MIN.	MAX.
Zener Voltage	Vz	lz=	1 mA	6.10 V	7.20 V
Reverse current	IR	VR=	3.0 V	-	1.0µA
Forward current	VF	IF=	200 mA		1.25 V
Junction	Ct	f=	1MHz	200 pF	TYP.
capacitance	Cl	VR=	0 V	200 pP	116.

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

Diodes

•External dimensions (Unit : mm)





Other

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

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