

# ESD Protection diode

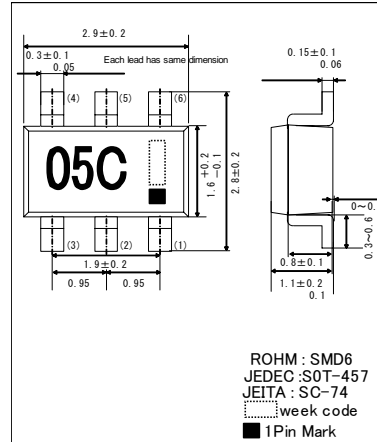
## RSA6.1U5

●Application  
ESD Protection

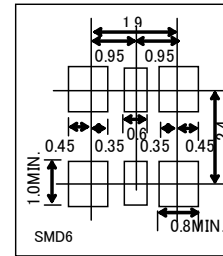
●Features  
1) Small mold type. (SMD6)  
2) High reliability.

●Construction  
Silicon epitaxial planar

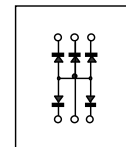
●External dimensions (Unit : mm)



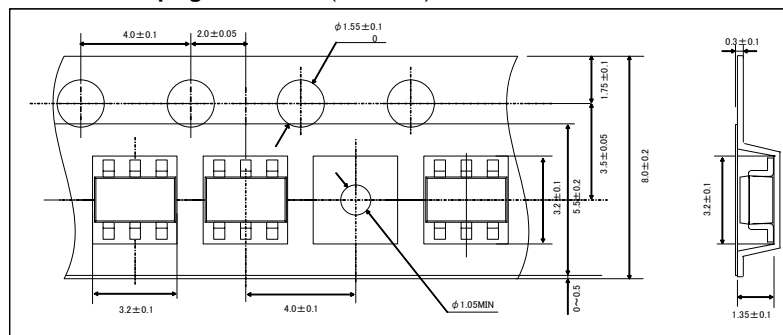
●Lead size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

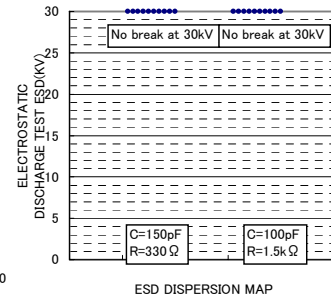
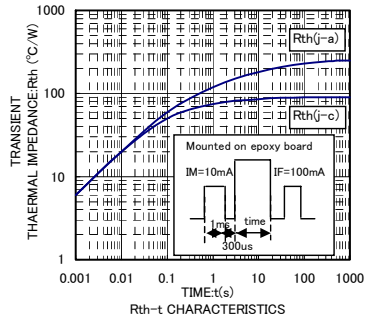
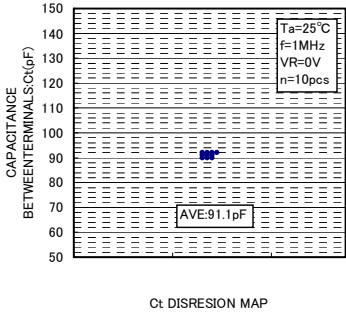
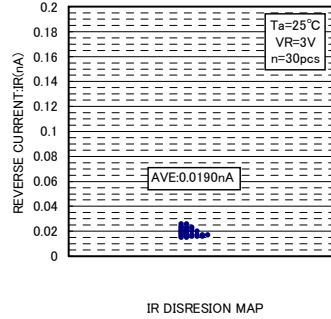
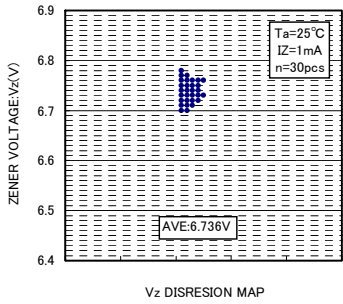
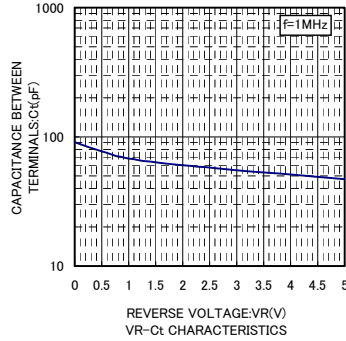
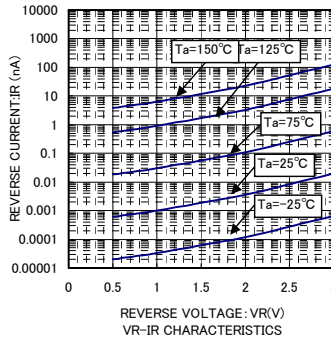
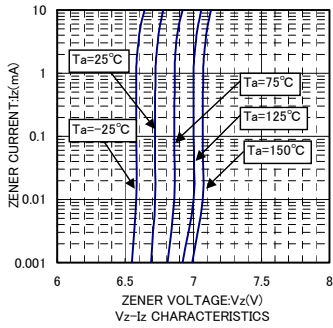
Parameter	Symbol	Limits	Unit
Power dissipation	P	200	mW
Peak Pulse Power-1(tp=10×1000us)	Ppk	30	mW
Peak Pulse Power-2(tp=10×1000us)	Ppk	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	Vz	6.1	-	7.2	V	Iz=1mA
Reverse current	IR	-	-	1	μA	VR=3.0V
Forward current	VF	-	-	1.25	V	IF=200mA
Junction capacitance	Ct	-	-	200	pF	VR=0V, f=1MHz

Diodes

● Electrical characteristic curves (Ta=25°C)



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