ESD Protection diode

RSA6.1EN

Application

ESD Protection

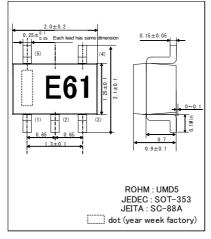
Features

- 1) Small mold type. (UMD5)
- 2) High reliability.

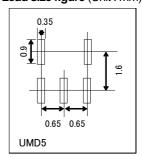
Construction

Silicon epitaxial planar

●External dimensions (Unit : mm)



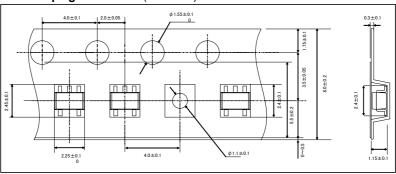
●Lead size figure (Unit : mm)



Structure



● Taping dimensions (Unit: mm)



● Absolute maximum ratings (Ta=25°C)

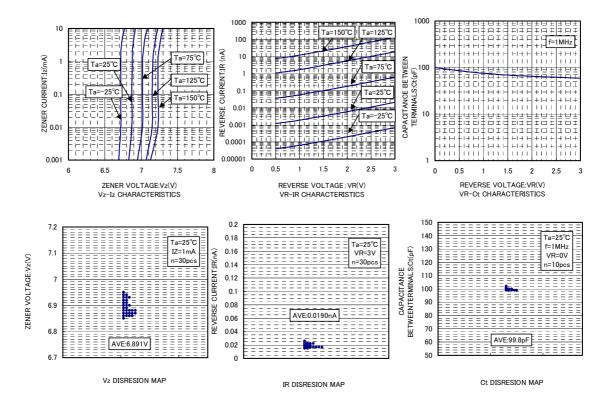
Parameter	Symbol	Limits	Unit			
Power dissipation	Р	200	mW			
Peak Pulse Power-1(tp=10×1000us)	P_{pk}	30	W			
Peak Pulse Power-2(tp=8×20us)	P_{pk}	200	W			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-55 to +150	°C			

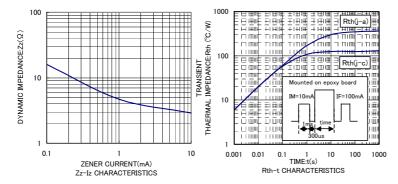
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	V_Z	6.1	-	7.20	V	I _Z =1mA
Reverse current	I _R	-	-	1.0	μA	V _R =3.0V
Forward voltage	V_{F}	-	-	1.25	V	I _F =200mA
Capacitance between terminals	C _t	-	90	-	pF	f=1MHz,V _R =0V

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●Electrical characteristic curves (Ta=25°C)





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