

RSA6.1EN

ESD Protection

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

Silicon epitaxial planar

The drawing shows the mechanical specifications for the JEITA SC-88A package. The top view (left) indicates a square body with a width of 2.0 ± 0.2 mm. The distance between the centers of the leads is 2.1 ± 0.1 mm. The lead width is 0.25 ± 0.05 mm, and the lead height is 0.7 mm. The body width is 1.3 ± 0.1 mm. The side view (right) shows a maximum height of 0.15 ± 0.05 mm and a lead thickness of 0.1 ± 0.1 mm. The package is labeled 'E61'.

ROHM : UMD5
JEDEC : SOT-353
JEITA : SC-88A

dot (year week factory)

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and tolerances. The drawing includes a side view and a cross-sectional view.

Dimensions and Tolerances:

- Horizontal dimensions (top): 4.0 ± 0.1 , 2.0 ± 0.05 , $\phi 1.55 \pm 0.1$ (with a note 0 below).
- Horizontal dimensions (bottom): 2.25 ± 0.1 (with a note 0 below), 4.0 ± 0.1 .
- Vertical dimensions (left): 2.45 ± 0.1 .
- Vertical dimensions (right): 1.75 ± 0.1 , 3.5 ± 0.05 , 2.4 ± 0.1 , 5.5 ± 0.2 , 8.0 ± 0.2 .
- Vertical dimensions (bottom right): $0 \sim 0.5$.
- Vertical dimensions (far right): 2.4 ± 0.1 , 1.15 ± 0.1 .
- Horizontal dimensions (far right): 0.3 ± 0.1 .

Geometric Features:

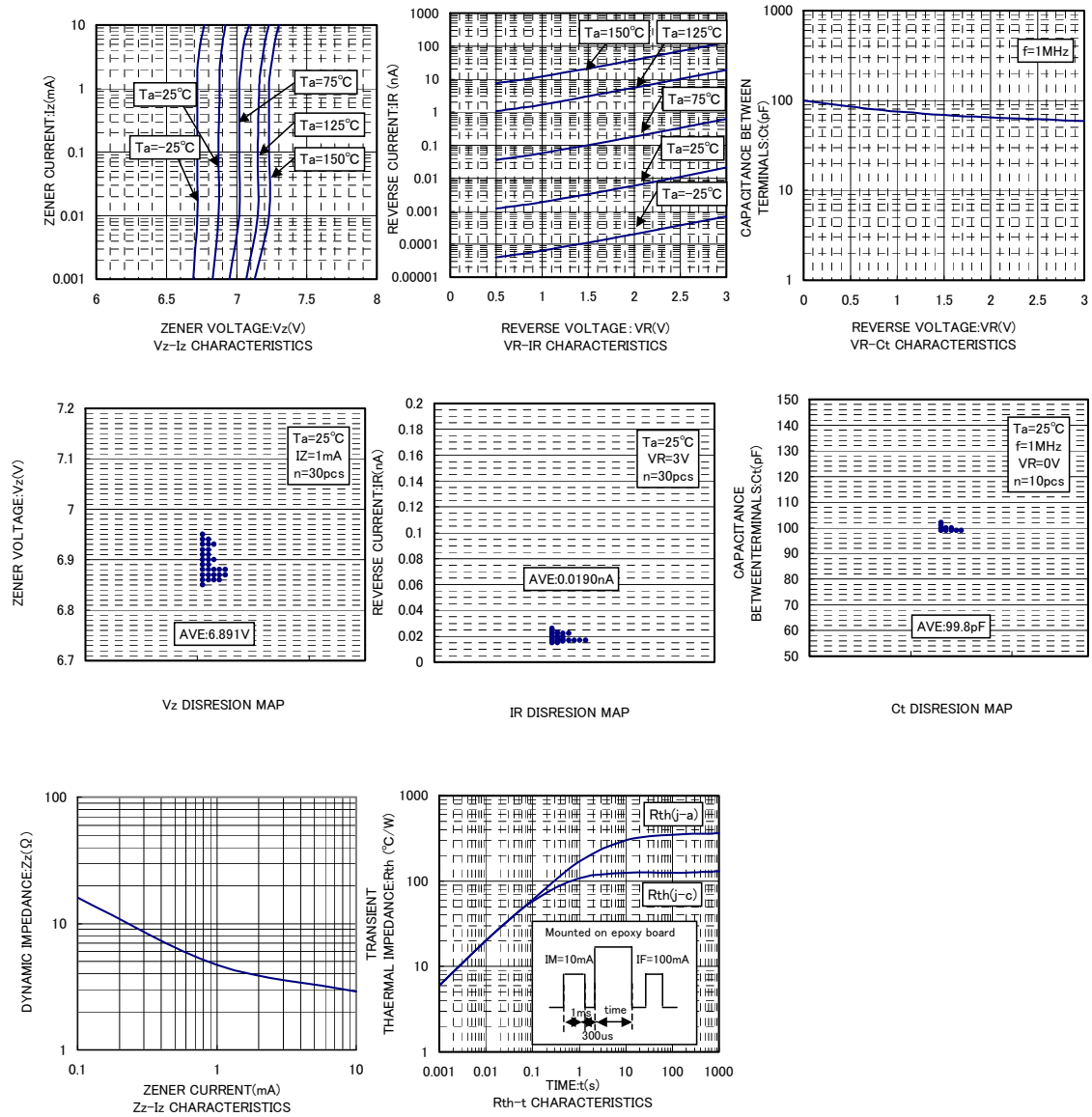
- Four circular holes along the top edge, with the third hole dimensioned as $\phi 1.55 \pm 0.1$.
- Four rectangular features along the bottom edge, with the second one dimensioned as $\phi 1.1 \pm 0.1$.
- A central circular feature with a crosshair, dimensioned as $\phi 1.1 \pm 0.1$.

Parameter	Symbol	Limits	Unit
Power dissipation	P	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	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Parameter	Symbol	Min.	Typ.	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	$f=1MHz, V_R=0V$

Diodes

●Electrical characteristic curves (Ta=25°C)



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