

RSB12JS2

ESD Protection

- 1) Ultra small mold type. (EMD6)
- 2) Low capacitance
- 3) Bi direction

Silicon Epitaxial Planar

The drawing shows the mechanical specifications for the JEITA-SC-75A Size dot (year week factory). It includes a top view and a side view.

Top View Dimensions:

- Overall width: 1.6 ± 0.1
- Distance from left edge to center of dot (1): 0.22 ± 0.05
- Dot diameter: 0.5
- Distance between dots (1) and (2): 0.5
- Distance between dots (2) and (3): 0.5
- Overall distance between dots (1) and (3): 1.0 ± 0.1
- Distance from right edge to center of dot (3): 0.22 ± 0.05
- Dot positions are labeled (1), (2), (3), (4), (5), and (6).

Side View Dimensions:

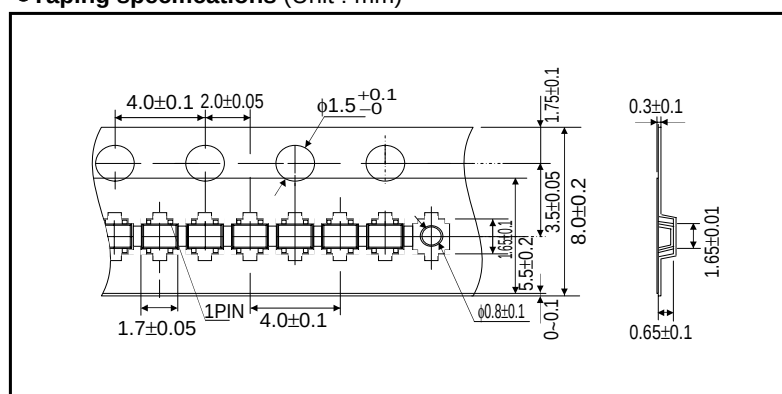
- Overall height: 1.6 ± 0.1
- Distance from top edge to center of dot (3): 1.2 ± 0.1
- Dot diameter: 0.5 ± 0.05
- Distance from bottom edge to center of dot (3): 0.5 ± 0.05
- Distance from top edge to center of dot (4): 0.13 ± 0.05
- Dot position is labeled (4).

Other Features:

- The top view shows a large "7C" marking and a dashed rectangle indicating the dot's position.
- The side view shows a dashed line indicating the dot's position.

A diagram of a 3x3 grid with nodes labeled (1) through (6). Nodes (1), (2), and (3) are in the bottom row; nodes (4), (5), and (6) are in the top row. Node (1) is connected to (2) and (4). Node (2) is connected to (1), (3), and (5). Node (3) is connected to (2) and (6). Node (4) is connected to (1) and (5). Node (5) is connected to (4), (2), and (6). Node (6) is connected to (3) and (5).

*Please make 3 and 6 Pin open in circuit upon use.

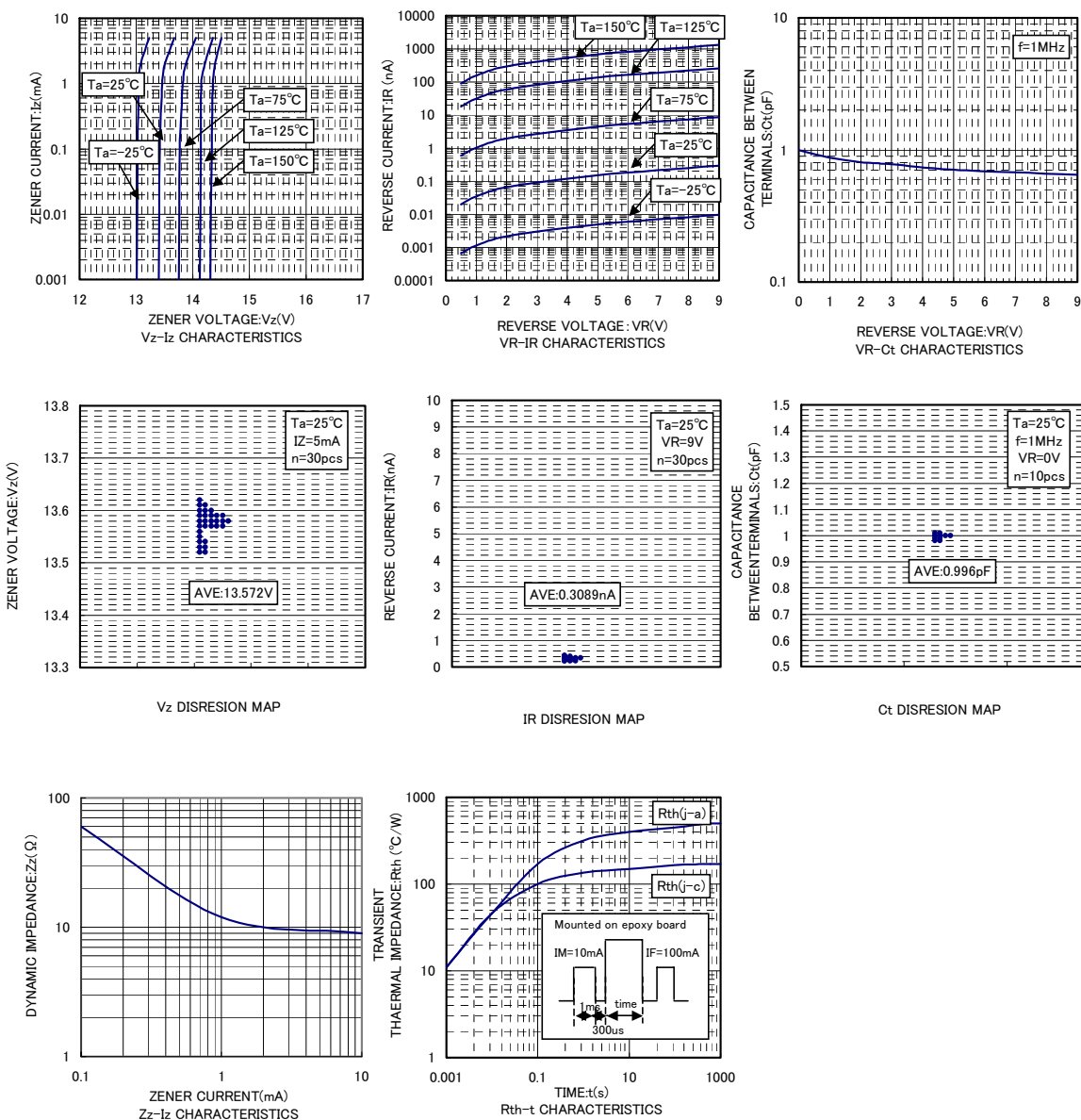


Parameter	Symbol	Limits	Unit
Power dissipation	P	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V_Z	9.6	-	14.4	V	$I_Z=5mA$
Reverse current	I_R	-	-	0.10	μA	$V_R=9V$
Capacitance between terminal	C_t	-	1	-	pF	$f=1MHz, V_R=0V$

Diodes

●Electrical characteristics curve



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