



Power dissipation data for the SOT-223 is shown in this page.

The value of power dissipation varies with the mount board conditions.

Please use this data as one of reference data taken in the described condition.

## 1. Measurement Condition (Reference data)

Condition: Mount on a board Ambient: Natural convection Soldering: Lead (Pb) free

Board: Dimensions 40 x 40 mm (1600 mm2 in one side)

Copper (Cu) traces occupy 50% of the board area

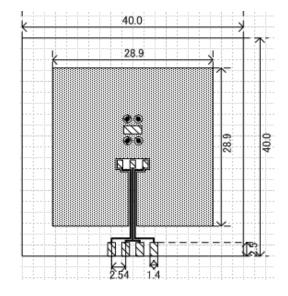
In top and back faces

Package heat-sink is tied to the copper traces

Material: Glass Epoxy (FR-4)

Thickness: 1.6 mm

Through-hole: 4 x 0.8 Diameter



Evaluation Board (Unit: mm)

## 2. Power Dissipation vs. Ambient temperature

## Board Mount (Tj max = 125°C)

Ambient Temperature(°C)	Power Dissipation Pd(mW)	Thermal Resistance(°C/W)
25	1500	66.67
85	600	

