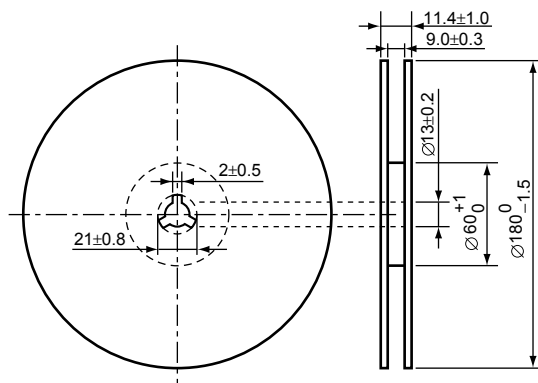


Unit: mm

Technical drawing of a 6-pin connector. The top view shows a rectangular body with a total width of 2.9 ± 0.2 . The distance between the centers of the pins is 1.9 ± 0.2 , with individual pin widths of (0.95) . The pins are numbered 1 through 6. The height of the body is 1.6 ± 0.2 , and the total height including the pins is 2.8 ± 0.3 . The bottom view shows the pin arrangement with a width of 0.4 ± 0.1 and a depth of 0.2 . A side view shows the profile of the connector with a top width of 1.1 ± 0.2 , a pin width of 0.8 ± 0.1 , and a bottom width of 0.15 ± 0.1 . The side view also indicates a minimum height of 0.2 Min.

Figure 1 shows a technical drawing of a mechanical part, likely a mold, with various dimensions and tolerances. The part has a complex shape with a central rectangular section and a smaller section on the left. Dimensions include overall width (2.0 ± 0.1), overall height (8.0 ± 0.3), and various internal features like holes (φ1.50, φ1.1 ± 0.1) and slots. A large arrow labeled 'TR' and 'User Direction of Feed' indicates the direction of material flow.

(1reel=3000pcs)



POWER DISSIPATION (SOT-23-6)

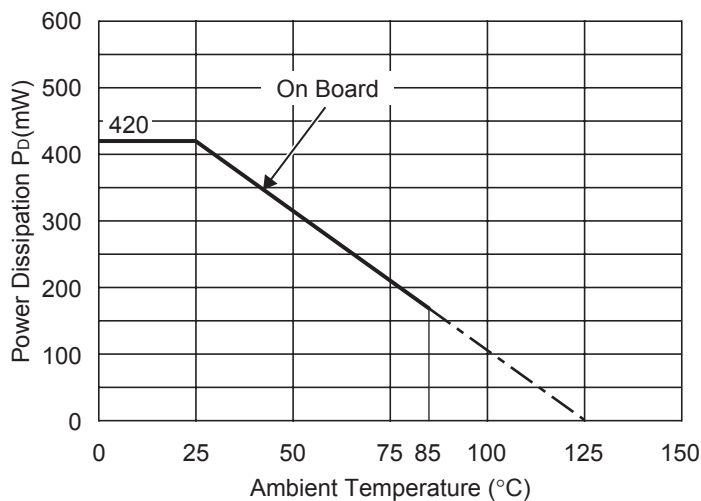
This specification is at mounted on board. Power Dissipation (P_D) depends on conditions of mounting on board. This specification is based on the measurement at the condition below:

Measurement Conditions

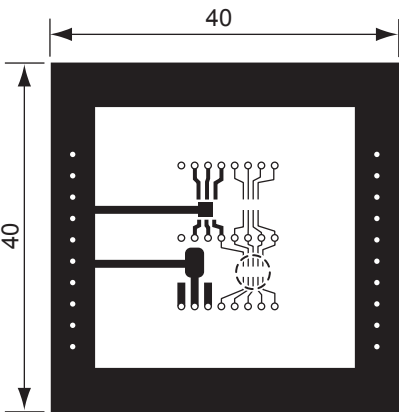
	Standard Land Pattern
Environment	Mounting on Board (Wind velocity=0m/s)
Board Material	Glass cloth epoxy plactic (Double sided)
Board Dimensions	40mm × 40mm × 1.6mm
Copper Ratio	Top side : Approx. 50% , Back side : Approx. 50%
Through-hole	φ0.5mm × 44pcs

Measurement Result

	Standard Land Pattern	Free Air
Power Dissipation	420mW	250mW
Thermal Resistance	$\theta_{ja}=(125-25^{\circ}\text{C})/0.42\text{W}=263^{\circ}\text{C/W}$	400°C/W



Power Dissipation



Measurement Board Pattern

○ IC Mount Area Unit : mm

RECOMMENDED LAND PATTERN

