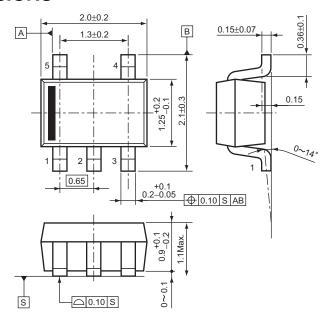
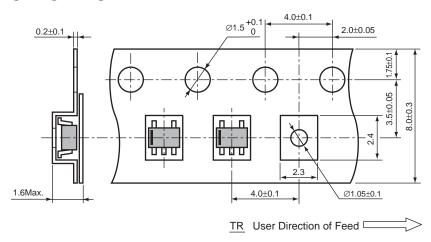
• SC-88A Unit: mm

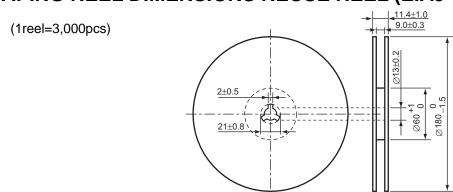
PACKAGE DIMENSIONS



TAPING SPECIFICATION



TAPING REEL DIMENSIONS REUSE REEL (EIAJ-RRM-08Bc)



POWER DISSIPATION (SC-88A)

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

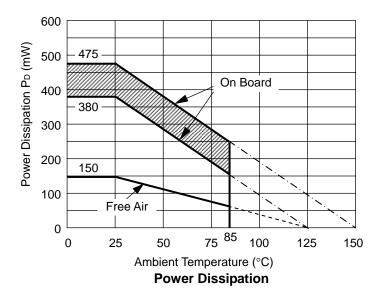
Measurement Conditions

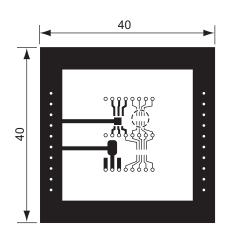
	Standard Land Pattern		
Environment	Mounting on Board (Wind velocity=0m/s)		
Board Material	Glass cloth epoxy plastic (Double sided)		
Board Dimensions	40mm × 40mm × 1.6mm		
Copper Ratio	Top side : Approx. 50%, Back side : Approx. 50%		
Through-holes	φ0.5mm × 44pcs		

Measurement Results

(Topt=25°C, Tjmax=125°C)

	Standard Land Pattern	Free Air		
Power Dissipation	380mW	150mW		
Thermal Resistance	θja=(125–25°C)/0.38W=263°C/W	θja=(125–25°C)/0.15W=667°C/W		
Thermal Resistance	θjc=75°C/W	-		





Measurement Board Pattem

O IC Mount Area (Unit: mm)

The above graph shows the Power Dissipation of the package based on Tjmax=125°C and Tjmax=150°C.

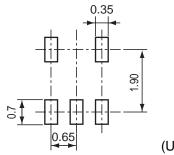
Operating the IC in the shaded area in the graph might have an influence it's lifetime.

Operating time must be within the time limit described in the table below, in case of operating in the shaded area.

Product Name			Operating time	Estimated years*	
RP105Q	RP109Q	RP114Q	RP170Q	13,000hrs	9years
RP171Q	RP200Q	RP201Q			

^{*}The volume is calculated on the supposition that operating four hours/day.

RECOMMENDED LAND PATTERN



(Unit: mm)