Preliminary Specification of COAXIAL CONNECTOR
Preliminary SPEC No. : NMM04-PU0001K
Part Number : MM8930-2600B/RJ4/RK0

Written by : T. Yui
Checked by : T. Kuriyama
Date : 14/Jan./2011

SPECIFICATION

Revised A: 18/Jan./'11 YT B: 25/Aug./'11 YT C: 20/Oct./'11 YT D: 16/Feb./'12 YT E: 5/Mar./'12 YT F: 16/Apr./'18 KJ
G:25/May./'20 MS H:9/Jun./'20 NM I: 15/Jun./'20 MM J: Aug./'20 MM K: 21/Oct./'20 NM

1. PART NUMBER

F>B>

Part Number	Packaging	Quantity	Remarks
MM8930-2600B	Bulk Package	Free	
MM8930-2600RJ4	180 mm dia. reel	4000 pcs/reel	ESD protection
MM8930-2600RK0	330 mm dia. reel	10000 pcs/reel	ESD protection

2. MECHANICAL

F>E>D>C>

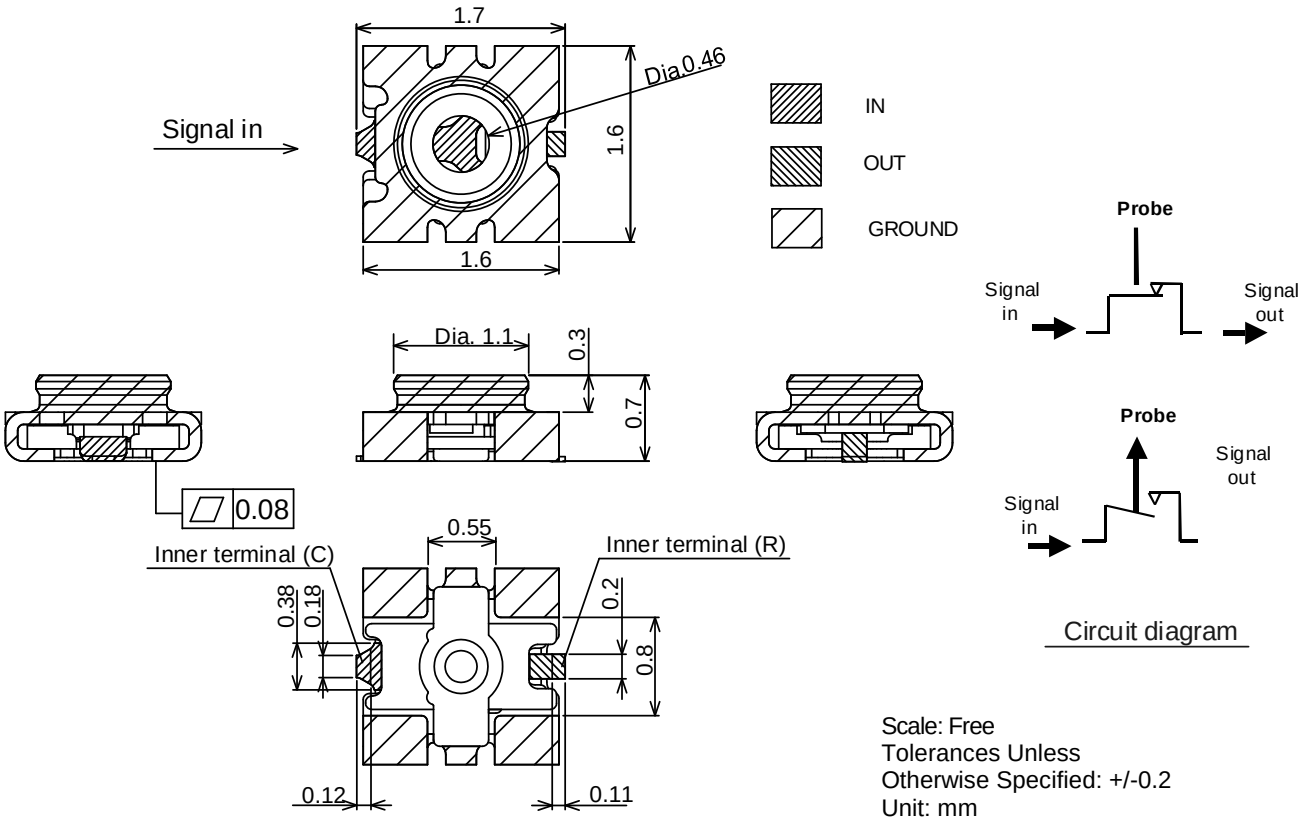
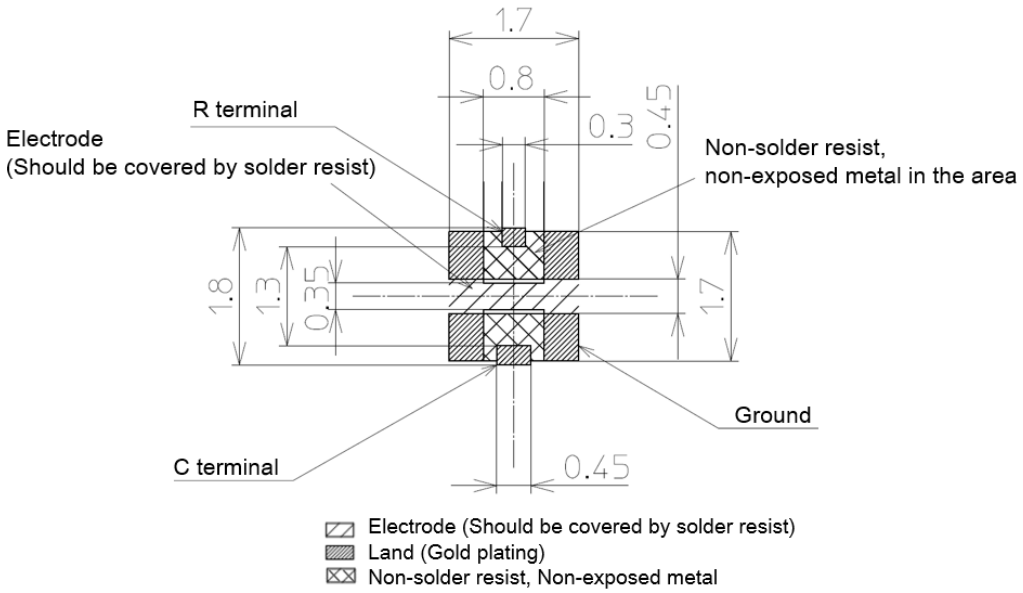


FIGURE1. Construction

3. RATING :

Item	Specification
D> Voltage Rating	30V r.m.s. maximum
I>G> Nominal Frequency Range	DC to 12GHz
Nominal Impedance	50Ω
Power Rating	2Wmax (at 2GHz)
Temperature Rating	-40℃ to +85℃
Insulation Resistance	500 MΩ minimum
D> Withstanding Voltage	No evidence of break down in AC200Vr.m.s, 1minute
Initial Contact Resistance (without conductor resistance)	70mΩmax.
I>G>D>Voltage Standing Wave Ratio (V.S.W.R.)	1.1 max. (DC to 3GHz) 1.2 max. (3GHz to 6GHz) 1.3 max. (6GHz to 9GHz) 1.6 max. (9GHz to 12GHz)
I>G>D>Insertion Loss	0.10dB max. (DC to 3GHz) 0.20dB max. (3GHz to 6GHz) 0.25dB max. (6GHz to 9GHz) 0.35dB max. (9GHz to 12GHz)
I>G>D>Isolation	25dB min. (DC to 3GHz) 20dB min. (3GHz to 6GHz) 17dB min. (6GHz to 9GHz) 14dB min. (9GHz to 12GHz)
D> Durability	50 cycles

4. STANDARD PATTERN DIMENSION
K>J>H>F>D>C>A>



(Note) I/O pattern is designed to be the impedance match 50 ohm.
The material of PWB is the epoxy resin of glass fabric base. (εr=3.4@1GHz). Thickness is 0.4mm.
The solder resist is printed except for the land pattern on the PWB.
Land pattern and Solder resist pattern must be followed to avoid soldering defects.

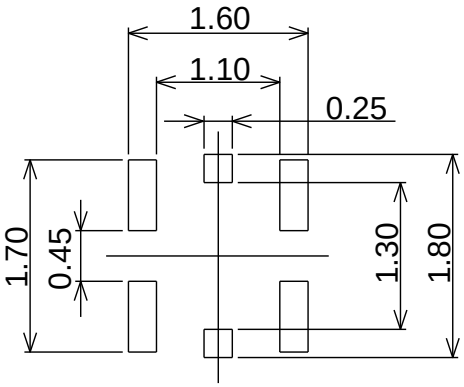
FIGURE2. Standard pattern dimensions

5. STANDARD STENCIL MASK PATTERN

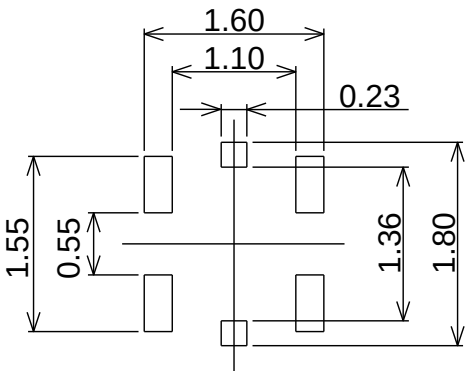
The standard stencil mask pattern is as FIGURE 3.

F>D>C>

Thickness t=0.08mm



Thickness t=0.1mm



The standard solder cream stencil mask drawing (Thickness : 0.08mm, 0.1mm)

(Note) There is the possibility to have the contact failure by flux shifting into contact point, if the excess solder is used by non standard stencil mask pattern.
Stencil mask pattern must be followed to avoid soldering defects.

FIGURE3. Standard stencil mask pattern

6. ⚠CAUTION

Limitation of Applications

Please do not use our products for the applications listed below which require specially high reliability for the prevention of defects which may directly or indirectly cause damage to the third party's life, body or property.

(1) Aircraft equipment
(2) Aerospace equipment
(3) Undersea equipment
(4) Power plant control equipment
(5) Medical equipment
(6) Transportation equipment (vehicles, trains, ships, etc.)
(7) Traffic signal equipment
(8) Disaster prevention / crime prevention equipment
(9) Data-processing equipment
(10) Application of similar complexity and/or reliability requirements to the applications listed in the above.