Preliminary Specification of COAXIAL CONNECTOR — Written by: T.Kuriyama
Preliminary SPEC No. : NMM04-PW0001E — Checked by T. Ohtani
Part Number : MM8130-2600B/RA2/RB8 — Date: 13/Jun./2006

Revised A: 4/Apr./'07 ER, B: 07/Mar./'08 KY, C : 9/Jun./'08 KY, D: 26/Mar./'09 KY, E: 10/Apr./'18 KJ

SPECIFICATION

1. PART NUMBER

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Part Number	Packaging	Quantity
MM8130-2600B	Bulk Package	
MM8130-2600RA2	180 mm dia. reel	2000 pcs/reel
MM8130-2600RB8	330 mm dia. reel	8000 pcs/reel

2. MECHANICAL

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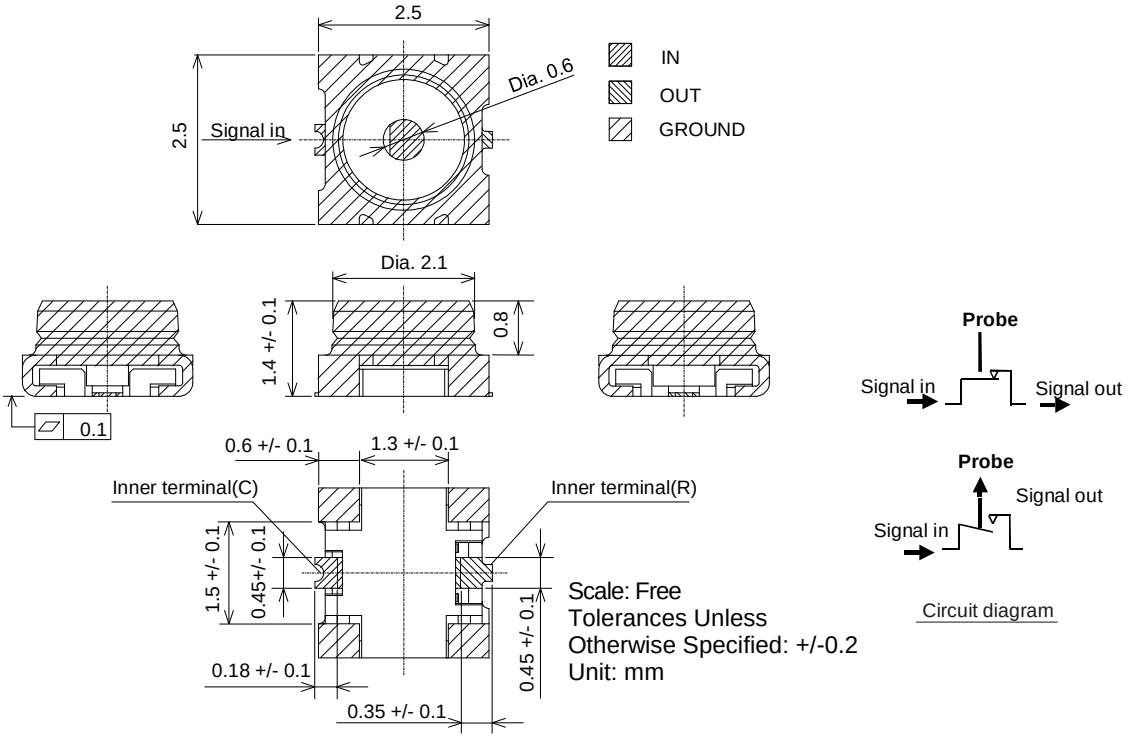

FIGURE1. Construction

3. RATING :

Item	Specification
E> Voltage Rating	30V r.m.s. maximum
Nominal Frequency Range	DC to 6GHz
Nominal Impedance	50Ω
E> Power Rating	2Wmax (at 2GHz)
Temperature Rating	-40°C to +85°C
Insulation Resistance	500 MΩ minimum
Withstanding Voltage	No evidence of break down in AC300+/-20Vr.m.s, 1minute
B> Initial Contact Resistance (without conductor resistance)	Center contact 70.0mΩmax.
Voltage Standing Wave Ratio (V.S.W.R.)	1.2 max. (DC to 3GHz) 1.3 max. (3GHz to 6GHz)
Insertion Loss	0.1dBmax. (DC~3GHz) 0.2dBmax.(3GHz ~6GHz)
Isolation	20dBmin.(DC~3GHz) 15dBmin.(3GHz ~6GHz)
Durability	100 cycles

4. STANDARD PATTERN DIMENSION

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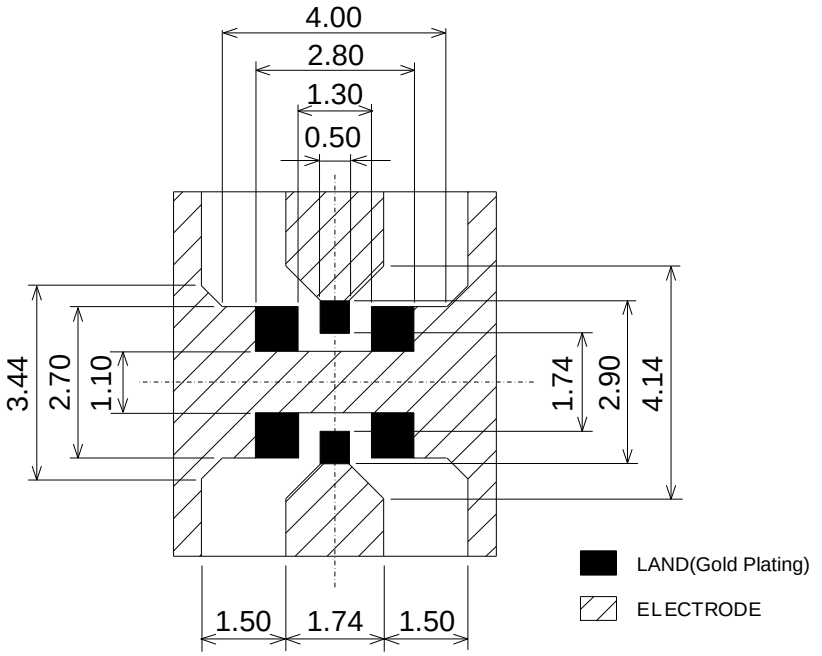

Unit: mm

(Note) I/O pattern should be designed to be the impedance match 50 ohm.
The material of PWB is the epoxy resin of glass fabric base. (εr=4.3@1GHz). Thickness is 1.0mm.
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.(Thickness is 0.12mm)

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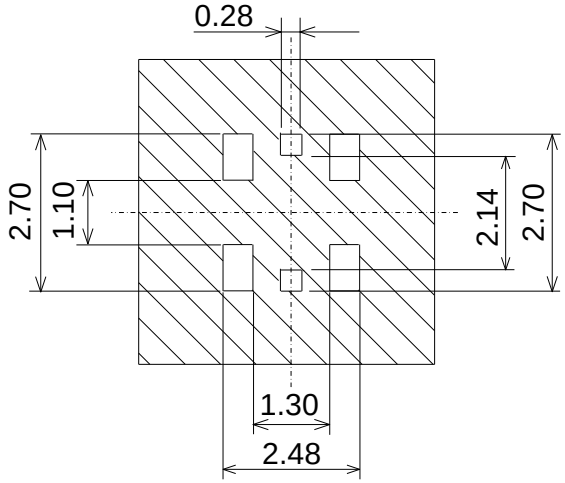

Unit: mm

The standard solder cream metal stencil mask drawing (Thickness : 0.12mm)

(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

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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.