Preliminary Specification of COAXIAL CONNECTOR
Preliminary SPEC No. : NMM04-PT0001P
Part Number : MM8830-2600B/RJ4/RK15

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Revised A: 13/Jun./'12 YT, B: 13/Sep./'12 KT, C: 29/Oct./'12 KT, D: 03/Apr./'13 KT, E: 09/Jul./'13 KT, F: 22/Jul./'13
Revised G: 14/Sep./'15 TK, H: 9/Dec./'15 KT, J: 18/Mar./'16 KT, K: 16/Apr./'18 KJ, L: 1/Aug./'19 NM
Revised M: 14/Apr./'20 NM, N: 14/May./'20 NM, P: 05/Dec./'24 NM

SPECIFICATION

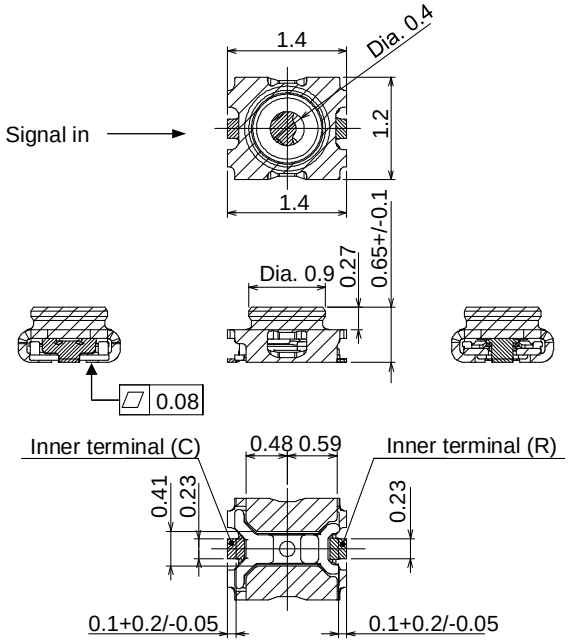
1. PART NUMBER

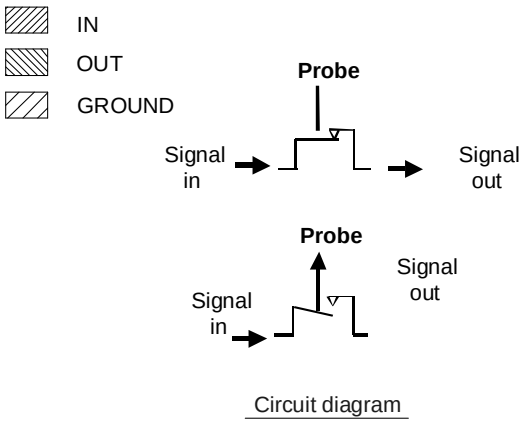
K>E>A>

Part Number	Packaging	Quantity	Remarks
MM8830-2600B	Bulk Package	Free	
MM8830-2600RJ4	180 mm dia. reel	4000 pcs/reel	ESD protection
MM8830-2600RK15	330 mm dia. reel	15000 pcs/reel	ESD protection

2. Design Construction

K>J>G>F>B>





Circuit diagram

Scale: Free
Tolerances Unless Otherwise Specified: +/-0.2
Unit: mm

FIGURE1. Construction

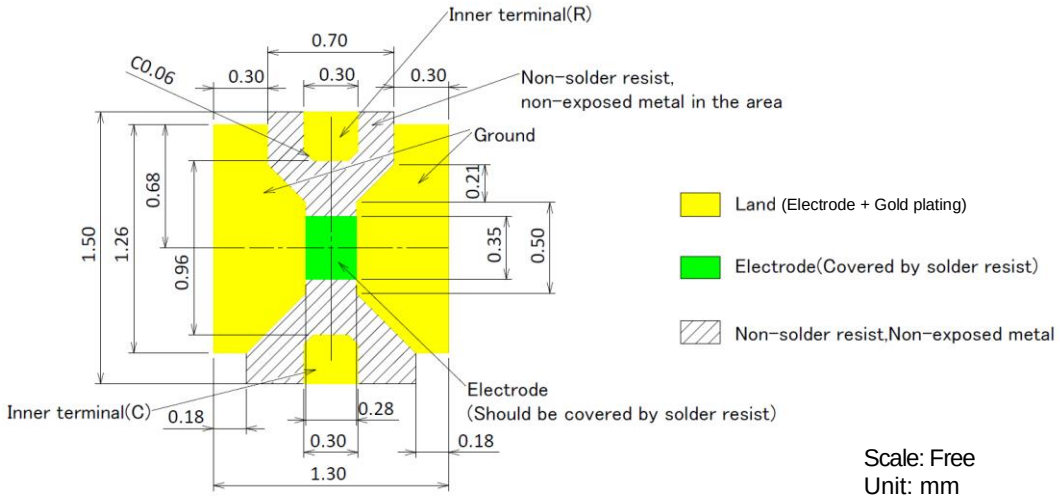
3. RATING :

Item	Specification
Voltage Rating	30V r.m.s. max.
P>L> Nominal Frequency Range	DC to 20GHz
Nominal Impedance	50Ω
Power Rating	2Wmax. (at 2GHz)
Temperature Rating	-40℃ to +85℃
Insulation Resistance	500 MΩ minimum
Withstanding Voltage	No evidence of break down in AC200Vr.m.s, 1minute
Initial Contact Resistance (without conductor resistance)	70mΩ max.

P>L>J>G>D> Voltage Standing Wave Ratio (V.S.W.R.)	1.2 max (DC to 8GHz) 1.3 max (8GHz to 9GHz) 1.5 max (9GHz to 12GHz) 1.5 max (12GHz to 15GHz) 1.6 max (15GHz to 18GHz) 1.8 max (18GHz to 20GHz)
P>L>D> Insertion Loss	0.1dB max (DC to 3GHz) 0.2dB max (3GHz to 6GHz) 0.3dB max (6GHz to 9GHz) 0.4dB max (9GHz to 12GHz) 0.5dB max (12GHz to 15GHz) 0.7dB max (15GHz to 18GHz) 1.3dB max (18GHz to 20GHz)
P>L>D> Isolation	27dB min (DC to 3GHz) 21dB min (3GHz to 6GHz) 17dB min (6GHz to 9GHz) 15dB min (9GHz to 12GHz) 12dB min (12GHz to 15GHz) 11dB min (15GHz to 18GHz) 11dB min (18GHz to 20GHz)
D> Durability	50 cycles

4. STANDARD PATTERN DIMENSION

P>N>M>K>H>C>B>



Scale: Free
Unit: mm

(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 0.5mm
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.

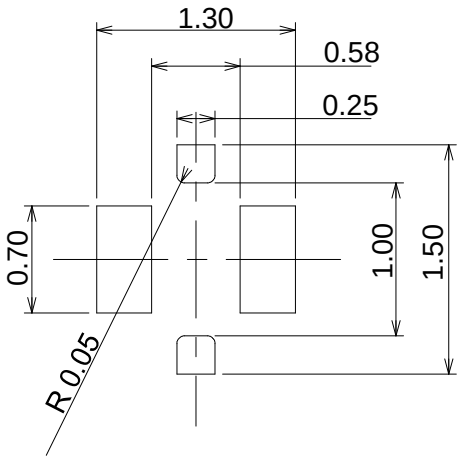
FIGURE2. Standard pattern dimensions

5. STANDARD STENCIL MASK PATTERN

K>C>B>

The standard stencil mask pattern is as FIGURE 3.

Thickness t=0.08mm



Scale: Free
Unit: mm

The standard solder cream stencil mask drawing (Thickness is 0.08mm)

(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

J>G>

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.