

Microwave Coaxial Connectors with Switch

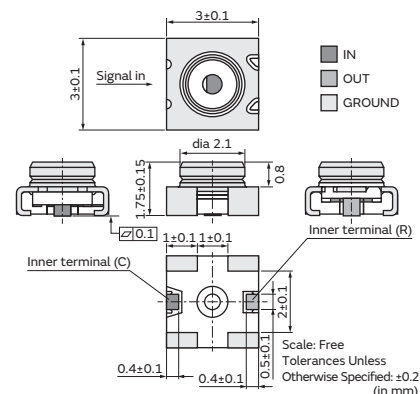
Microwave Coaxial Connectors with Switch SWD Type

Features

1. The microwave coaxial connector with switch is very useful for electrical characteristics measurement of microwave circuits for PC, tablet, and cellular phone.
2. Size 3x3x1.75mm (LxWxH), Occupation area 9mm²
3. Excellent characteristics, IL 0.2dB max. (@6GHz), VSWR 1.3 max. (DC to 6GHz)
4. Connector durability is 500 cycles with probe.

Applications

PC, Tablet, Cellular phone, and Other wireless equipment



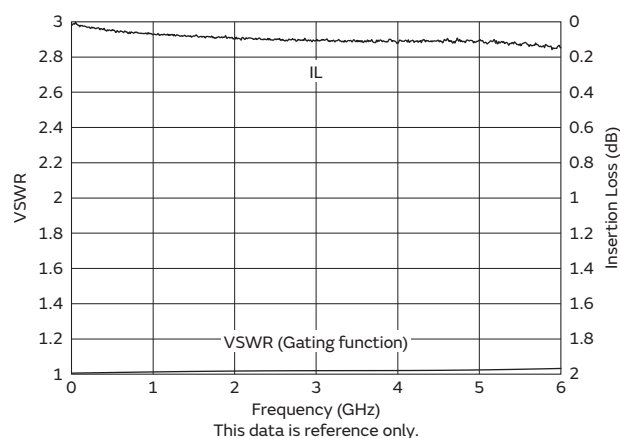
Part Number	Center Contact Resistance (mΩ max.)	Withstanding Voltage (Vrms)	Insulation Resistance (MΩ)	Durability (Cycle)	Nominal Frequency Range (GHz)	VSWR (dB max.)	Insertion Loss (On) (dB max.)	Isolation (Off) (dB min.)
MM8430-2610	50	300	500	500	to 6	1.2 (DC to 3GHz) 1.3 (3GHz to 6GHz)	0.1 (DC to 3GHz) 0.2 (3GHz to 6GHz)	20 (DC to 3GHz) 15 (3GHz to 6GHz)

Nominal Impedance: 50Ω

Rated Voltage: 30Vrms

Temperature Rating: -40 to 85°C

Specification (Insertion Loss & VSWR)

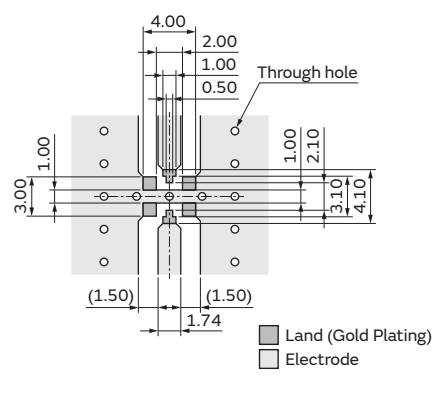


Measurement system: Refer to Electrical performance measurement system (p. 33)

Standard Pattern Dimension, Stencil Mask Pattern

- 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. ($\epsilon_r=4.3@1\text{GHz}$). Thickness is 1.0mm.
- The solder resist should be printed except for the land pattern on the PWB
- Land pattern and solder resist pattern must be followed to avoid soldering defects.

Standard Pattern Dimensions

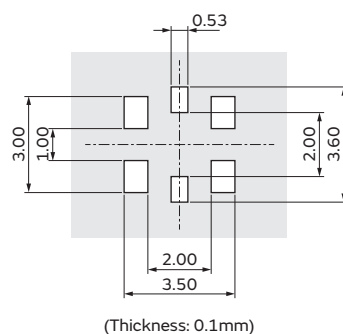


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- There is the possibility to have the contact failure by flux shifting into contact point, if the excess solder is used by non-standard stencil mask pattern. Stencil mask pattern must be followed to avoid soldering defects.

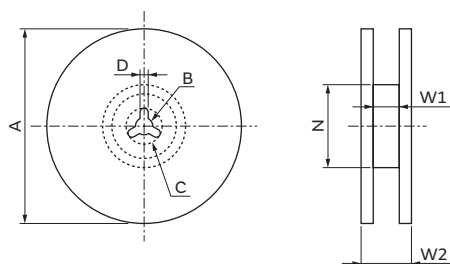
Standard Stencil Mask Pattern



The standard solder cream stencil mask drawing

(in mm)

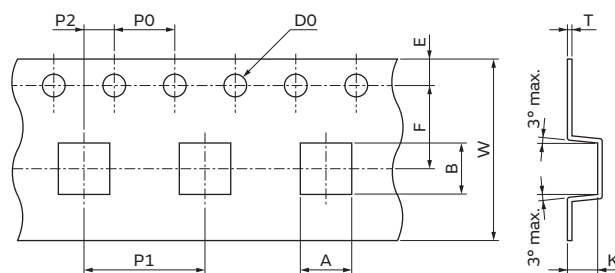
Dimensions of Reel



Part Number	A	B	C	D	N	W1	W2
MM8430-2610RA1	180+0/-3	13±0.5	21±0.8	2±0.5	Dia. 60+2/-0	13+2/-0	17±2
MM8430-2610RB3	330±2.0	13±0.5	21±0.8	2±0.5	Dia. (110)	13.4±2	17.4±2

(in mm)

Dimensions of Taping



A	B	W	D0	E	F	K
3.4±0.1	3.4±0.1	12±0.2	Dia. 1.5±0.1	1.75±0.1	5.5±0.1	2.0±0.15

P0	P1	P2	T
4±0.1	8±0.1	2±0.1	0.3±0.05

(in mm)

Minimum Quantity

MM8430-2610RA1: 180 mm dia. reel/1000 pcs.

MM8430-2610RB3: 330 mm dia. reel/3000 pcs.