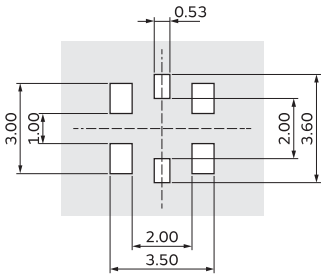
Continued from the preceding page.↘

- 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**

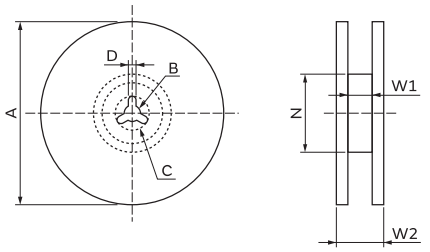



(Thickness: 0.1mm)

The standard solder cream stencil mask drawing

(in mm)

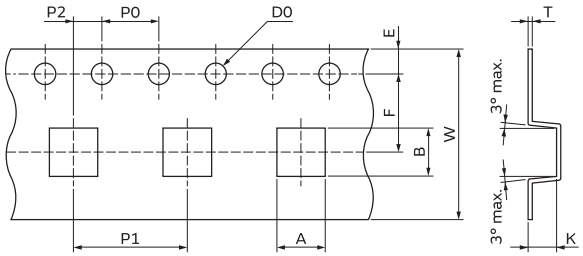
## Dimensions of Reel




| 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.

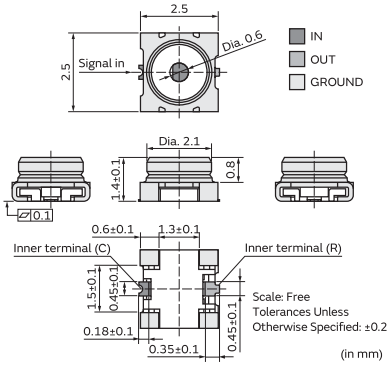
# Microwave Coaxial Connectors with Switch

## Microwave Coaxial Connectors with Switch SWF Type

### Features

1. The microwave coaxial connector with switch is very useful for electrical characteristics measurement of microwave circuit for PC, tablet and cellular phone.
2. Size 2.5x2.5x1.4mm (LxWxH), Occupation area 6.25mm$^2$
3. Excellent characteristics, low IL 0.2dB max. (@6GHz) V.S.W.R. 1.3 max. (DC to 6GHz)
4. Connector durability is 100 cycles with probe.





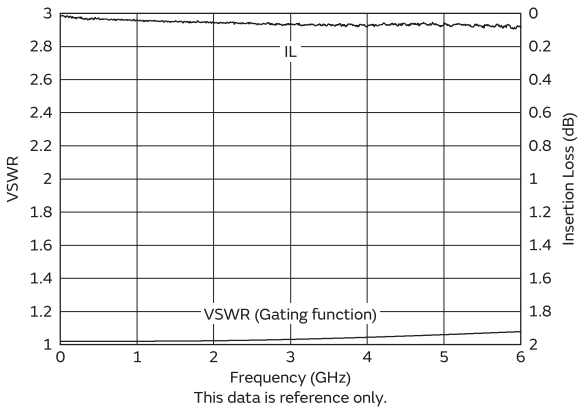

### Applications

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.) |
|---|---|---|---|---|---|---|---|---|
| **MM8130-2600** | 70 | 300 | 500 | 100 | to 6 | 1.2 (DC to 3GHz)<br>1.3 (3GHz to 6GHz) | 0.1 (DC to 3GHz)<br>0.2 (3GHz to 6GHz) | 20 (DC to 3GHz)<br>15 (3GHz to 6GHz) |

Nominal Impedance: 50Ω
Rated Voltage: 30Vrms
Temperature Rating: -40 to 85°C

### Specification (Insertion Loss & VSWR)



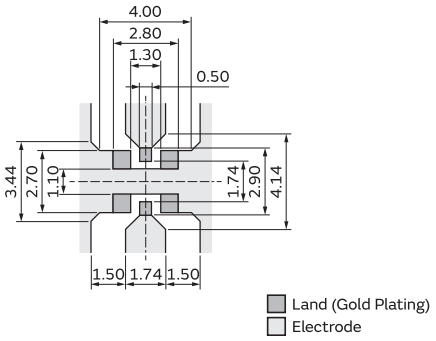

This data is reference only.

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. (εr=4.3@1GHz). 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



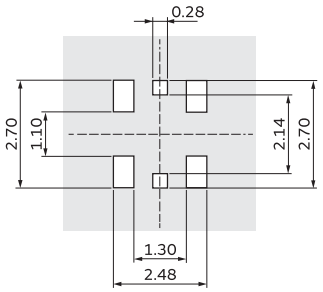

(in mm)

Continued on the following page.↗

Continued from the preceding page.↘

- 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**

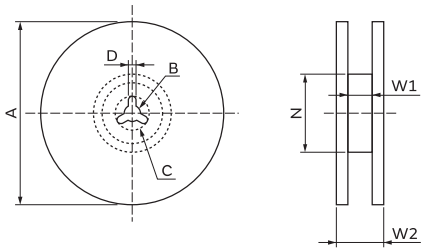



(Thickness: 0.12mm)

The standard solder cream stencil mask drawing

(in mm)

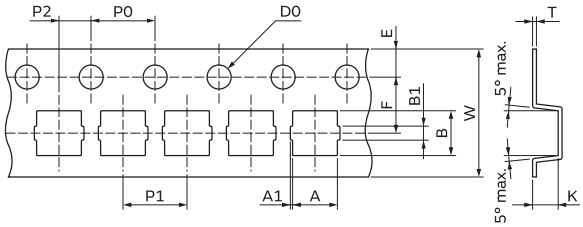
## Dimensions of Reel




| Part Number | A | B | C | D | N | W1 | W2 |
|---|---|---|---|---|---|---|---|
| MM8130-2600RA2 | 180+0/-3 | 13±0.5 | 21±0.8 | 2±0.5 | Dia. 60+1/-0 | 9±0.3 | 11.4±1.0 |
| MM8130-2600RB8 | 330±2.0 | 13±0.5 | 21±0.8 | 2±0.5 | Dia. 100±1.0 | 9.4±1.0 | 13.4±1.0 |

(in mm)

## Dimensions of Taping




| A | A1 | B | B1 | W | D0 |
|---|---|---|---|---|---|
| 2.8±0.1 | 0.15±0.1 | 2.8±0.1 | 0.85±0.1 | 8±0.2 | Dia. 1.5±0.1 |

| E | F | K | P0 | P1 | P2 | T |
|---|---|---|---|---|---|---|
| 1.75±0.1 | 3.5±0.1 | 1.6±0.1 | 4±0.1 | 4±0.1 | 2±0.1 | 0.25±0.05 |

(in mm)

## Minimum Quantity

MM8130-2600RA2: 180 mm dia. reel/2000 pcs.
MM8130-2600RB8: 330 mm dia. reel/8000 pcs.