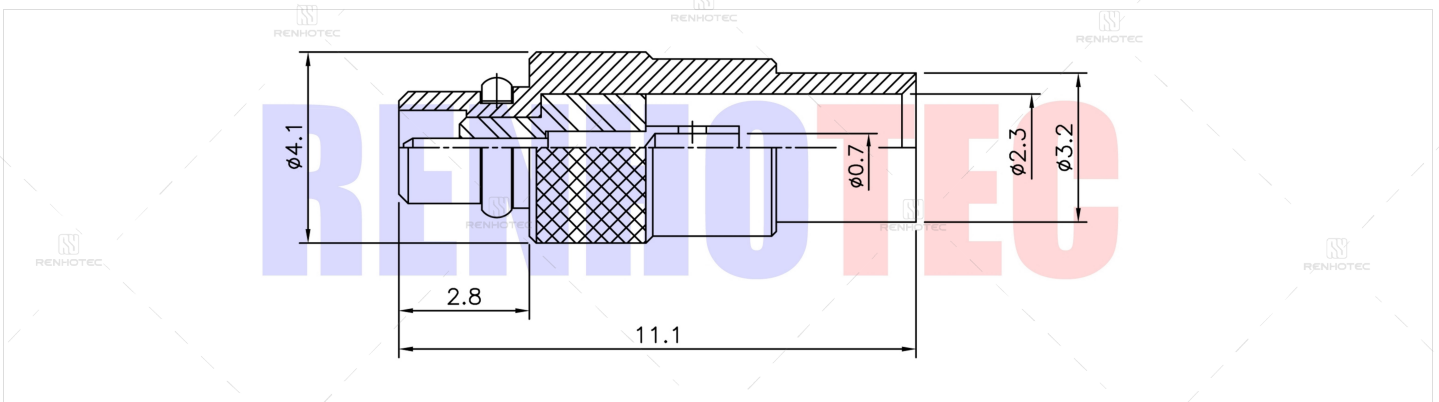


## MMCX Connector Male Solder Type Cable UT086 50ohm - RHT-631-0101



### Drawing



### Basic Information

|                        |             |
|------------------------|-------------|
| <b>Cable Type</b>      | UT086       |
| <b>Connector Type</b>  | Plug        |
| <b>Fastening Type</b>  | Snap On     |
| <b>Mounting Type</b>   | Cable Mount |
| <b>Number of Ports</b> | 1.0         |
| <b>Orientation</b>     | Straight    |
| <b>RF Series</b>       | MMCX Type   |

## Environmental Specification

|                      |                       |
|----------------------|-----------------------|
| Corrosion Resistance | MIL-STD-202 Meth. 101 |
| Temperature Range    | -65°C to +165°C       |
| Vibration            | MIL-STD-202 Meth. 204 |

## Mechanical Specification

|                           |              |
|---------------------------|--------------|
| Contact Termination Style | Solder       |
| Mating Durability         | ≥ 500 Cycles |

## Material Specification

|                    |        |
|--------------------|--------|
| Shield Termination | Solder |
|--------------------|--------|

## Material and Finish

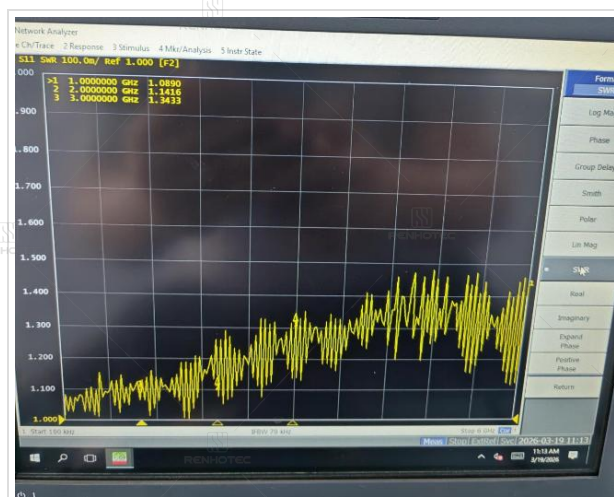
| Component Description | Material     | Finish      |
|-----------------------|--------------|-------------|
| Shell                 | Brass        | Gold Plated |
| Insulator             | PTFE         |             |
| Center Contact        | Copper Alloy | Gold Plated |

## Impedance Testing

|           |        |
|-----------|--------|
| Impedance | 50 ohm |
|-----------|--------|

## Frequency & VSWR Test Report

|                 |                                         |
|-----------------|-----------------------------------------|
| Frequency Range | 6GHz                                    |
| VSWR            | ≤1.15 (DC to 4 GHz), ≤1.40 (4 to 6 GHz) |



## Contact Resistance Test

|                           |          |
|---------------------------|----------|
| Contact Type              | Male Pin |
| Center Contact Resistance | 5 MΩ Min |
| Outer Contact Resistance  | 1 MΩ Min |



## Working Voltage & Insulation Resistance Test

|                                 |                              |
|---------------------------------|------------------------------|
| Rated Voltage                   | 500 Volts RMS Max Continuous |
| Dielectric Withstanding Voltage | 1000 VRMS Max                |
| Insulation Resistance           | 500MΩ Min                    |



Version History

| REV | Date     | Revise Contents         | Drafter | Approver |
|-----|----------|-------------------------|---------|----------|
| A.0 | 2026.7.7 | The initial formulation | Esther  | Joson    |

Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.