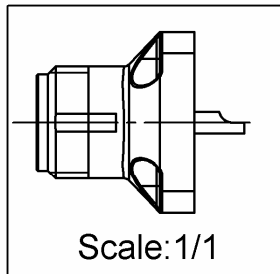
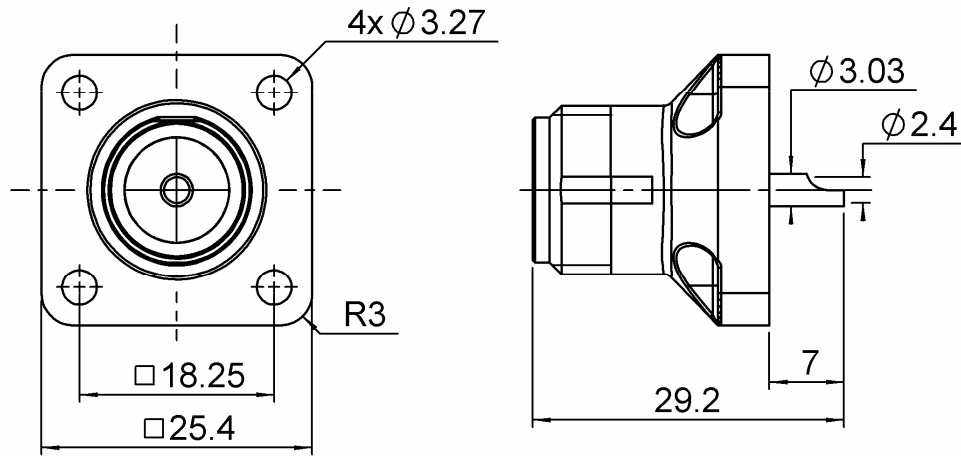


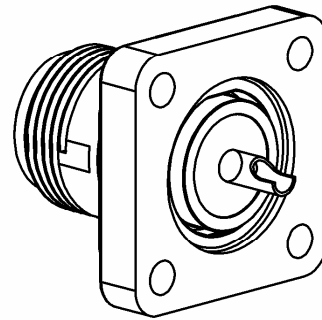
**COMPOSITE SQUARE FLANGE JACK RECEPTACLE**  
**WITH SOLDER POT CONTACT**

**R161.404.C01**

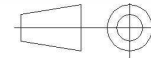
Series : N COMPOSITE



| PANEL CUT OUT |       |       |
|---------------|-------|-------|
| A DIA         |       |       |
| B DIA         |       |       |
| 4 holes       |       |       |
|               | mm    |       |
|               | Maxi  | mini  |
| A             | 10.10 | 10.00 |
| B             | 3.40  | 3.30  |
| C             | 18.30 | 18.20 |



All dimensions are in mm.



| COMPONENTS     | MATERIALS                  | PLATING (µm)             |
|----------------|----------------------------|--------------------------|
| BODY           | COMPOSITE MATERIAL - BLACK |                          |
| CENTER CONTACT | BRONZE                     | SILVER 3 OVER COPPER 0.5 |
| OUTER CONTACT  | BRASS                      | BBR 2                    |
| INSULATOR      | PTFE                       |                          |
| GASKET         |                            |                          |
| OTHERS PARTS   |                            |                          |
| -              | -                          | -                        |
| -              | -                          | -                        |

Issue : 0908 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**RADIAL**

**COMPOSITE SQUARE FLANGE JACK RECEPTACLE**  
**WITH SOLDER POT CONTACT**

**R161.404.C01**

Series : N COMPOSITE

**PACKAGING**

| Standard  | Unit              | Other             |
|-----------|-------------------|-------------------|
| <b>50</b> | <b>'W' option</b> | <b>Contact us</b> |

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

|                                 |                              |                                |
|---------------------------------|------------------------------|--------------------------------|
| Impedance                       | <b>50</b>                    | $\Omega$                       |
| Frequency                       | <b>0-11</b>                  | GHz                            |
| VSWR                            | <b>1.02*</b> + <b>0.0200</b> | x F(GHz) Maxi                  |
| Insertion loss                  | <b>0.048</b>                 | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | - ( <b>NA</b> )              | - F(GHz)) dB Maxi              |
| Voltage rating                  | <b>850</b>                   | Veff Maxi                      |
| Dielectric withstanding voltage | <b>2500</b>                  | Veff mini                      |
| Insulation resistance           | <b>5000</b>                  | M $\Omega$ mini                |

**ENVIRONMENTAL**

|                       |                |                    |
|-----------------------|----------------|--------------------|
| Operating temperature | <b>-40/+85</b> | $^{\circ}\text{C}$ |
| Hermetic seal         | <b>NA</b>      | Atm.cm3/s          |
| Panel leakage         | <b>NA</b>      |                    |

**OTHER CHARACTERISTICS**Assembly instruction **NA**

Others :

\* Coaxial Transmission Line Only

\*6-11GHz,VSWR:1.2 maxi

PIM3:-115dBm under 2 carriers of +43dBm

**MECHANICAL CHARACTERISTICS**

|                            |                        |
|----------------------------|------------------------|
| Center contact retention   |                        |
| Axial force – Mating end   | <b>27</b> N mini       |
| Axial force – Opposite end | <b>27</b> N mini       |
| Torque                     | <b>2.8</b> N.cm mini   |
| Recommended torque         |                        |
| Mating                     | <b>NA</b> N.cm         |
| Panel nut                  | <b>NA</b> N.cm         |
| Mating life                | <b>500</b> Cycles mini |
| Weight                     | <b>15.9700</b> g       |

Issue : 0908 A

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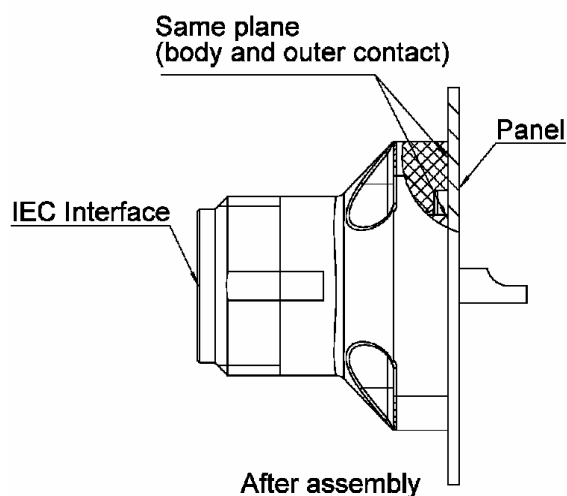
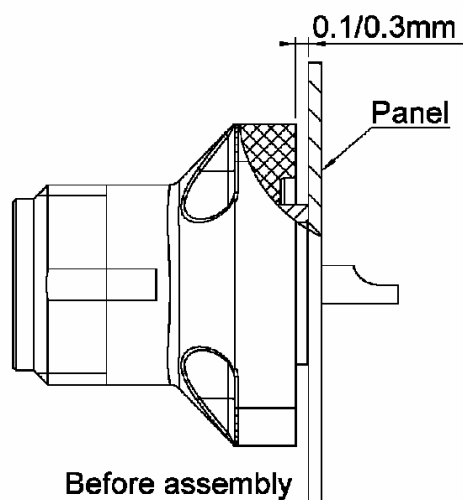
**RADIAL** 

**COMPOSITE SQUARE FLANGE JACK RECEPTACLE  
WITH SOLDER POT CONTACT****R161.404.C01**

Series : N COMPOSITE

**Assembly instruction**

Prior to the installation, the outer contact is slightly protruded from the rear flange (0.1/0.3mm). During the installation, the outer contact is pushed inside the composite housing. In its final position, the outer contact is aligned with the rear flange, and in contact with the panel. During mating, the outer contact is pressed against the panel, reducing significantly the IM3 generation.

**Issue : 0908 A**

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**RADIAL** 