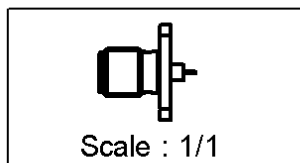
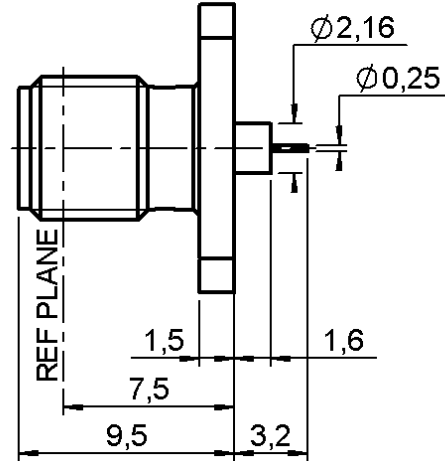
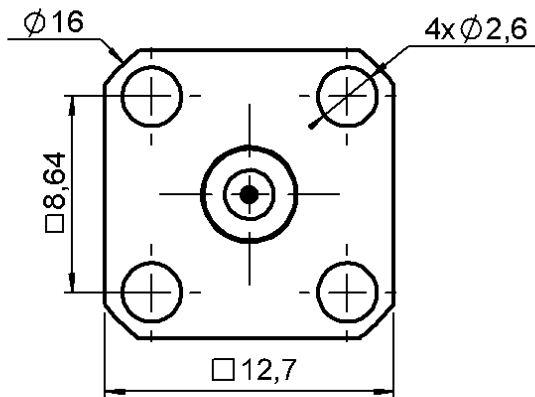


# SQUARE FLANGE JACK RECEPTACLE WITH SHOULDER CONTACT

**R125.513.000**

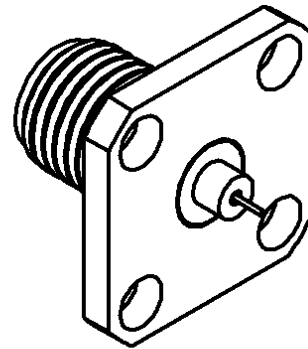
Series : SMA



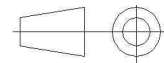
**PANEL CUT OUT**

A DIA  
B DIA  
4 holes

|   | mm   |      |
|---|------|------|
|   | Maxi | mini |
| A | 2.25 | 2.2  |
| B | 2.7  | 2.6  |
| C | 8.69 | 8.59 |



All dimensions are in mm.



| COMPONENTS     | MATERIALS        | PLATING (µm)           |
|----------------|------------------|------------------------|
| BODY           | STAINLESS STEEL  | GOLD 0.5 OVER NICKEL 2 |
| CENTER CONTACT | BERYLLIUM COPPER | GOLD 1.3 OVER NICKEL2  |
| OUTER CONTACT  | -                | -                      |
| INSULATOR      | PTFE             | -                      |
| GASKET         | -                | -                      |
| OTHERS PARTS   | -                | -                      |
| -              | -                | -                      |
| -              | -                | -                      |

Issue : 0223 P

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

**RADIAL**

**SQUARE FLANGE JACK RECEPTACLE****R125.513.000****WITH SHOULDER CONTACT**

Series : SMA

**PACKAGING**

| Standard   | Unit              | Other             |
|------------|-------------------|-------------------|
| <b>100</b> | <b>'W' option</b> | <b>Contact us</b> |

**SPECIFICATION**

QAE 06-02 - -

**ELECTRICAL CHARACTERISTICS**

|                                 |                      |                                |
|---------------------------------|----------------------|--------------------------------|
| Impedance                       | <b>50</b>            | $\Omega$                       |
| Frequency                       | <b>0-18</b>          | GHz                            |
| VSWR                            | <b>1.06 + 0,0025</b> | x F(GHz) Maxi                  |
| Insertion loss                  | <b>0.07*</b>         | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | - ( <b>60</b> )      | - F(GHz)) dB Maxi              |
| Voltage rating                  | <b>500</b>           | Veff Maxi                      |
| Dielectric withstanding voltage | <b>1000</b>          | Veff mini                      |
| Insulation resistance           | <b>5000</b>          | M $\Omega$ mini                |

**ENVIRONMENTAL**

|                       |                 |                    |
|-----------------------|-----------------|--------------------|
| Operating temperature | <b>-65/+165</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

**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>2,3770</b> g        |

Issue : 0223 P

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**RADIAL** 

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