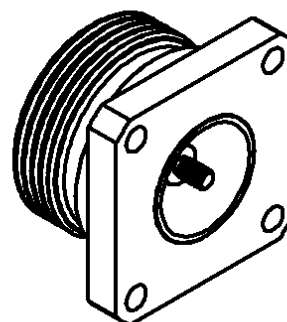
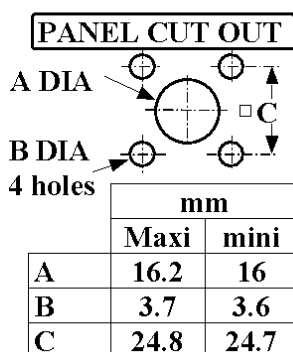
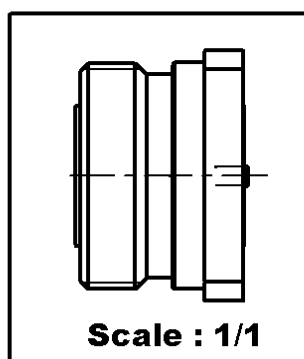
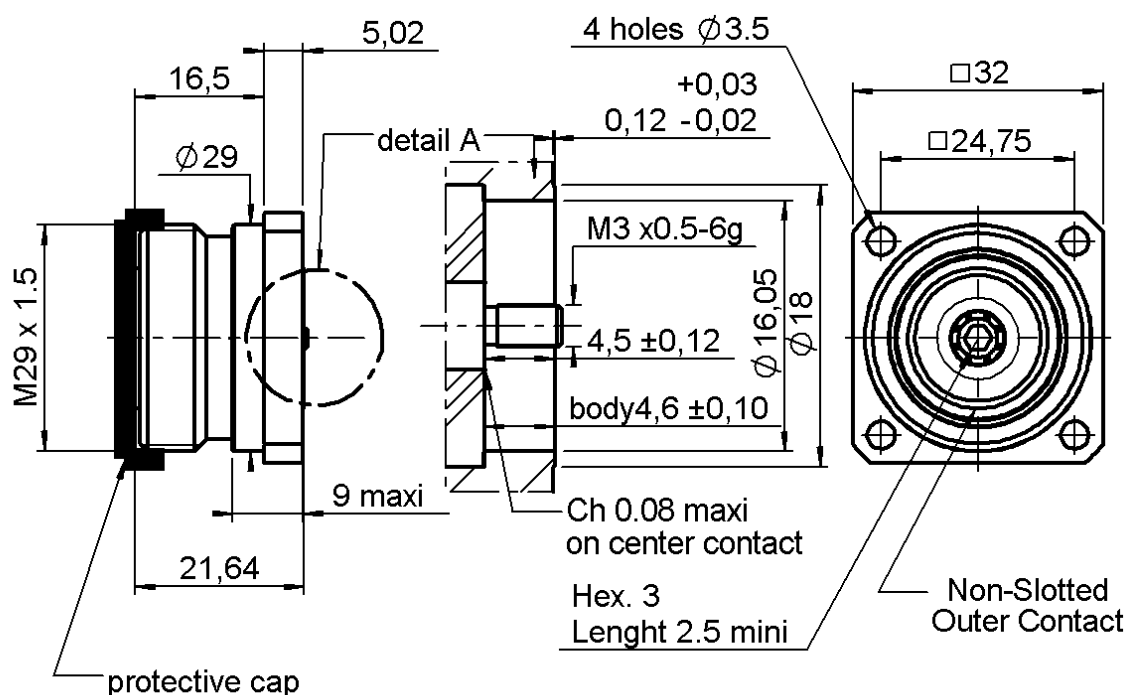


**SQUARE FLANGE RECEPTACLE**  
**M3 REAR MOUNTING .PACKAGING50**

**R185.406.090**

Series : 7-16



All dimensions are in mm.

| COMPONENTS     | MATERIALS | PLATINGS (µm)                       |
|----------------|-----------|-------------------------------------|
| BODY           | BRASS     | BBR 0.5 OVER SILVER 3               |
| CENTER CONTACT | BRONZE    | SILVER 5 PASSIVATED OVER COPPER 0.5 |
| OUTER CONTACT  | BRASS     | SILVER 5 PASSIVATED OVER COPPER 0.5 |
| INSULATOR      | PTFE      |                                     |
| GASKET         |           |                                     |
| OTHERS PARTS   |           |                                     |
| -              | -         | -                                   |
| -              | -         | -                                   |

Issue : 0330 A

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



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Series : 7-16

**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>0-7.5</b>        | GHz                            |
| VSWR                            | <b>1.02 + 0.020</b> | x F(GHz) Maxi                  |
| Insertion loss                  | <b>0.05</b>         | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | <b>NA</b>           | - F(GHz)) dB Maxi              |
| Voltage rating                  | <b>1400</b>         | Veff Maxi                      |
| Dielectric withstanding voltage | <b>4000</b>         | Veff mini                      |
| Insulation resistance           | <b>10000</b>        | M $\Omega$ mini                |

**ENVIRONMENTAL**

|                       |                 |                    |
|-----------------------|-----------------|--------------------|
| Operating temperature | <b>-55/+120</b> | $^{\circ}\text{C}$ |
| Hermetic seal         | <b>NA</b>       | Atm.cm3/s          |
| Panel leakage         | <b>NA</b>       |                    |

**OTHERS CHARACTERISTICS**Assembly instruction **NA**

Others :

Intermod: -125dbm over 2x20W carriers

Typical VSWR at 2.2GHz: 1.03

**MECHANICAL CHARACTERISTICS**

|                            |                        |
|----------------------------|------------------------|
| Center contact retention   |                        |
| Axial force – Mating end   | <b>200</b> N mini      |
| Axial force – Opposite end | <b>NA</b> N mini       |
| Torque                     | <b>NA</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>79.100</b> g        |

Issue : 0330 A

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