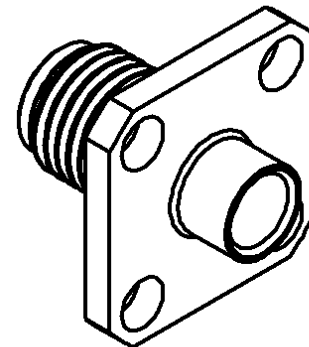
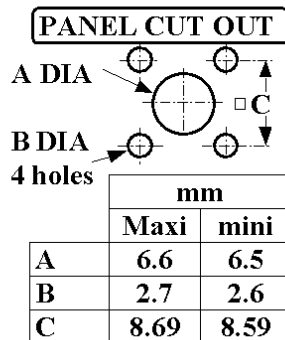
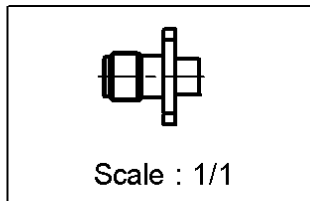
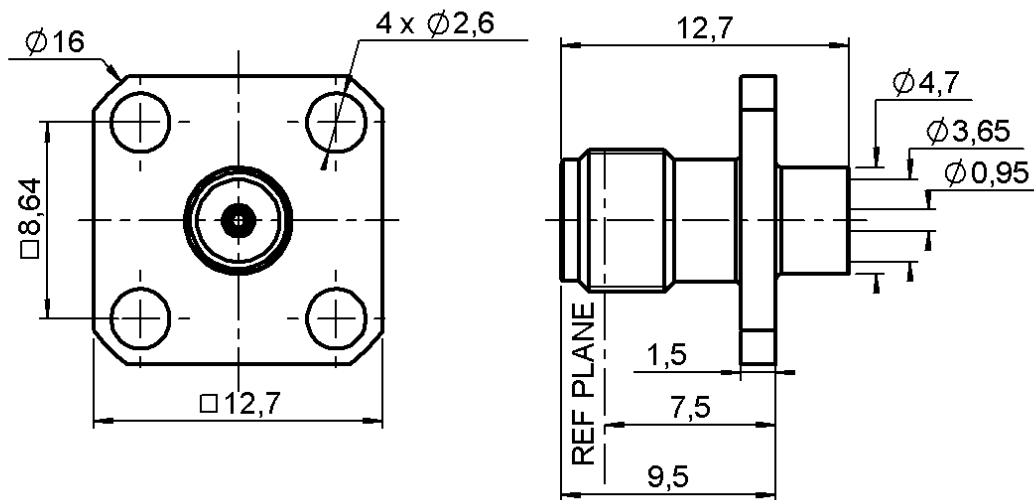


## STRAIGHT SQUARE FLANGE JACK SOLDER TYPE

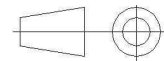
**R125.255.000**

CABLE .141

Series : SMA



All dimensions are in mm.



| COMPONENTS     | MATERIALS        | PLATING ( $\mu\text{m}$ ) |
|----------------|------------------|---------------------------|
| BODY           | STAINLESS STEEL  | GOLD 0.5 OVER NICKEL 2    |
| CENTER CONTACT | BERYLLIUM COPPER | GOLD 1.3 OVER NICKEL 2    |
| OUTER CONTACT  | -                | -                         |
| INSULATOR      | PTFE             | -                         |
| GASKET         | -                | -                         |
| OTHERS PARTS   | -                | -                         |
| -              | -                | -                         |
| -              | -                | -                         |

Issue : 0829 L

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**RADIAL** 

## STRAIGHT SQUARE FLANGE JACK SOLDER TYPE

**R125.255.000****CABLE .141**

Series : SMA

**PACKAGING**

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

**ELECTRICAL CHARACTERISTICS**

|                                 |                      |                          |
|---------------------------------|----------------------|--------------------------|
| Impedance                       | <b>50</b>            | $\Omega$                 |
| Frequency                       | <b>0-18</b>          | GHz                      |
| VSWR                            | <b>1.05 + 0,0080</b> | x F(GHz) Maxi            |
| Insertion loss                  | <b>0.03</b>          | $\sqrt{F}$ (GHz) dB Maxi |
| RF leakage                      | <b>- ( 90</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          |

**MECHANICAL CHARACTERISTICS**

|                            |                     |
|----------------------------|---------------------|
| Center contact retention   |                     |
| Axial force – Mating end   | <b>NA</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   |
| Clamp nut          | <b>NA</b> N.cm   |
| A/F clamp nut      | <b>0,0000</b> mm |

|             |                        |
|-------------|------------------------|
| Mating life | <b>500</b> Cycles mini |
| Weight      | <b>4,0000</b> g        |

**ENVIRONMENTAL**

|                       |                     |
|-----------------------|---------------------|
| Operating temperature | <b>-65/+105</b> °C  |
| Hermetic seal         | <b>NA</b> Atm.cm3/s |
| Panel leakage         | <b>NA</b>           |

**SPECIFICATION****CABLE ASSEMBLY**

| Stripping | a    | b    | c    | d    | e    | f    |
|-----------|------|------|------|------|------|------|
| mm        | 3,17 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |

Assembly instruction : **Solder 01**

Recommended cable(s)  
 RG 402  
 KS 2

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

|            |                   |
|------------|-------------------|
| - pull off | <b>270</b> N mini |
| - torque   | <b>NA</b> N.cm    |

**TOOLING**

| Part Number  | Description                           | Hexagon |
|--------------|---------------------------------------|---------|
| R282.120.010 | SMA TOOLBOX                           |         |
| R282.744.220 | SOLDERING POSITIONER (CENTER CONTACT) |         |
| R282.740.000 | SOLDERING MOUNTING                    |         |
| R282.862.060 | CONTROL GAUGE                         |         |
| R282.744.011 | SOLDERING POSITIONER (BODY)           |         |
| R282.914.010 | DIELECTRIC RECESS GAUGE               |         |
| R282.915.010 | DIELECTRIC RECESS TOOL                |         |
| R282.730.043 | INSULATOR MOUNTING TOOL               |         |
| R282.067.000 | POINTER GAUGE                         |         |
| R282.053.000 | STRIPPING TOOL                        |         |

**OTHER CHARACTERISTICS**

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