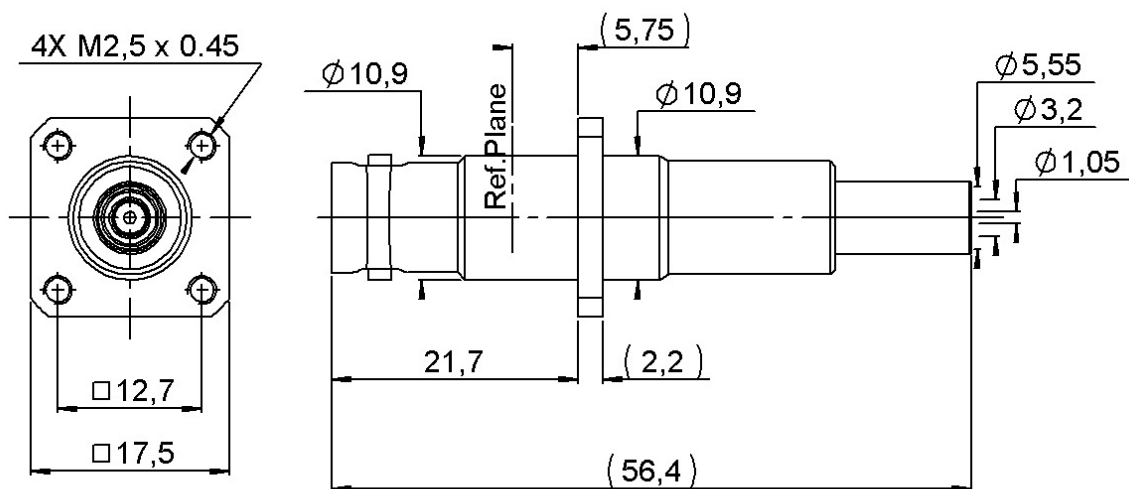


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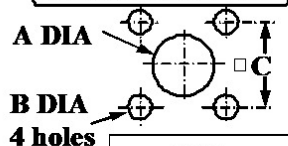
ISSUE  
02-10-25B

SERIES SHV

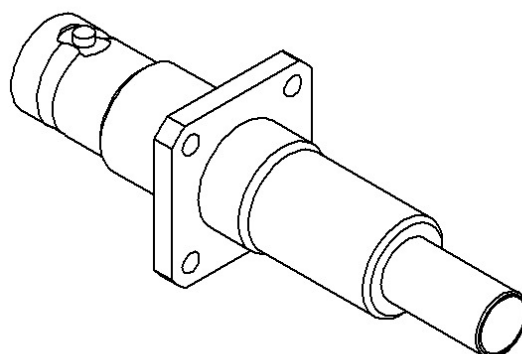
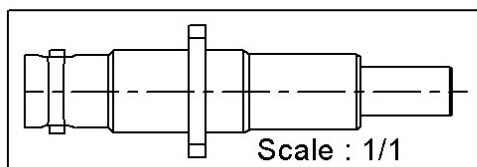
PART NUMBER R317270000



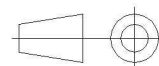
## PANEL CUT OUT



|   | mm    |       |
|---|-------|-------|
|   | Maxi  | mini  |
| A | 11.3  | 11.2  |
| B | 2.7   | 2.6   |
| C | 12.75 | 12.65 |



All dimensions are in mm. Tolerances according ISO 2768 m-H



| COMPONENTS     | MATERIALS | PLATING (µm)     |
|----------------|-----------|------------------|
| Body           | BRASS     | NICKEL           |
| Center contact | BRASS     | GOLD OVER NICKEL |
| Outer contact  | -         | -                |
| Insulator      | PTFE      | -                |
| Gasket         | -         | -                |
| Others parts   | BRASS     | NICKEL           |
| -              | -         | -                |
| -              | -         | -                |

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ISSUE  
**02-10-25B**

SERIES **SHV**

PART NUMBER **R317270000**

## PACKAGING

| Standard | Unit | Other             |
|----------|------|-------------------|
| <b>1</b> |      | <b>Contact us</b> |

## ELECTRICAL CHARACTERISTICS

|                                 |                     |                          |
|---------------------------------|---------------------|--------------------------|
| Impedance                       | <b>50</b>           | $\Omega$                 |
| Frequency                       | <b>0-2</b>          | GHz                      |
| VSWR                            | <b>1.2 + 0,3000</b> | x F(GHz) Maxi            |
| Insertion loss                  | <b>NA</b>           | $\sqrt{F}$ (GHz) dB Maxi |
| RF leakage                      | <b>NA</b>           | - F(GHz)) dB Maxi        |
| Voltage rating                  | <b>**</b>           | Veff Maxi                |
| Dielectric withstanding voltage | <b>*10000</b>       | Veff mini                |
| Insulation resistance           | <b>5000</b>         | M $\Omega$ mini          |

## 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>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 |
| Nominal Weight            | <b>22,6000</b> | g           |
| (Add +15% for max weight) |                |             |

## ENVIRONMENTAL

|                       |                 |           |
|-----------------------|-----------------|-----------|
| Operating temperature | <b>-65/+165</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        | <b>3,5000</b> | <b>6,5000</b> | <b>30,5000</b> | <b>0,0000</b> | <b>27,0000</b> | <b>0,0000</b> |
|           |               |               | <b>0</b>       |               | <b>0</b>       |               |

Assembly instruction:

Recommended cable(s)

**RG 58**  
**KX 15**  
**RG 141**

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>90</b> | N mini |
| - torque   | <b>NA</b> | N.cm   |

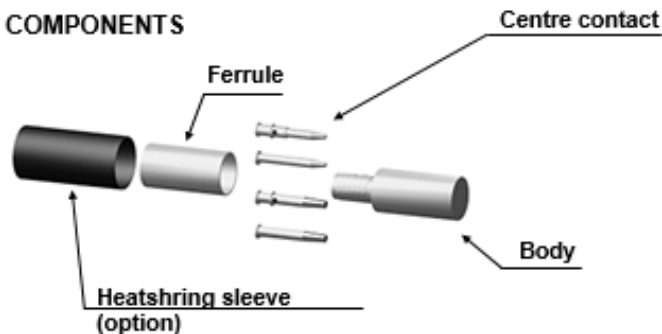
## TOOLING

| Part Number | Description                      | Other                   |
|-------------|----------------------------------|-------------------------|
| R282223000  | CRIMPING TOOL HEX 1.73-5.41-6.48 | Hex: 1.73 C-C 5.41 FERR |
| R282235011  | CRIMPING DIES : M22520/5-11      | Hex: 1.73 C-C 5.41 FERR |
| R282293000  | CRIMPING TOOL : M22520/5-01      |                         |

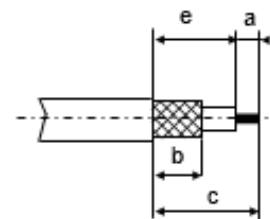
## OTHER CHARACTERISTICS

**\*\* 6000 V eff (DC)**  
**\*\* 3500 V rms (AC)**  
**\*12000 V - Coupled Connector**

## COMPONENTS

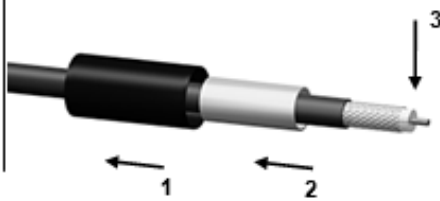


## STRIPPING DIMENSIONS



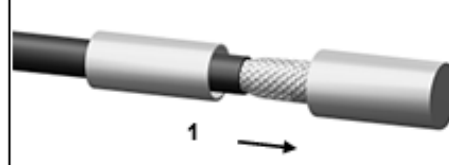
1

Slide the heatshrink sleeve onto the cable (Option).  
Slide the ferrule onto the cable.  
Strip the cable.



4

Slide the cable into the body until it bottoms against insulator.



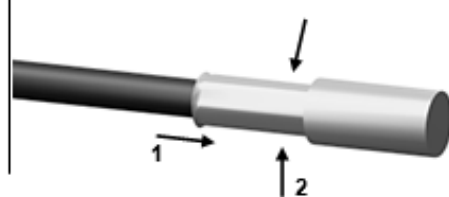
2

Slide the centre contact on until it bottoms against the cable dielectric.  
Crimp the centre contact with crimping tool ( see connector TDS ).



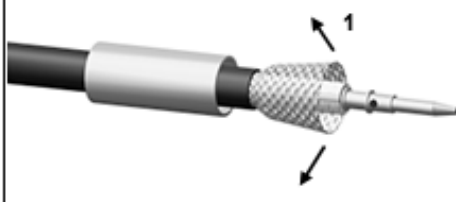
5

Slide the ferrule over the braid.  
Crimp the ferrule with crimping tool ( see connector TDS ).



3

Fan the braid.



6

Cut the excess of braid if necessary.  
Slide the sleeve over the ferrule and heatshrink it in place (Option).

