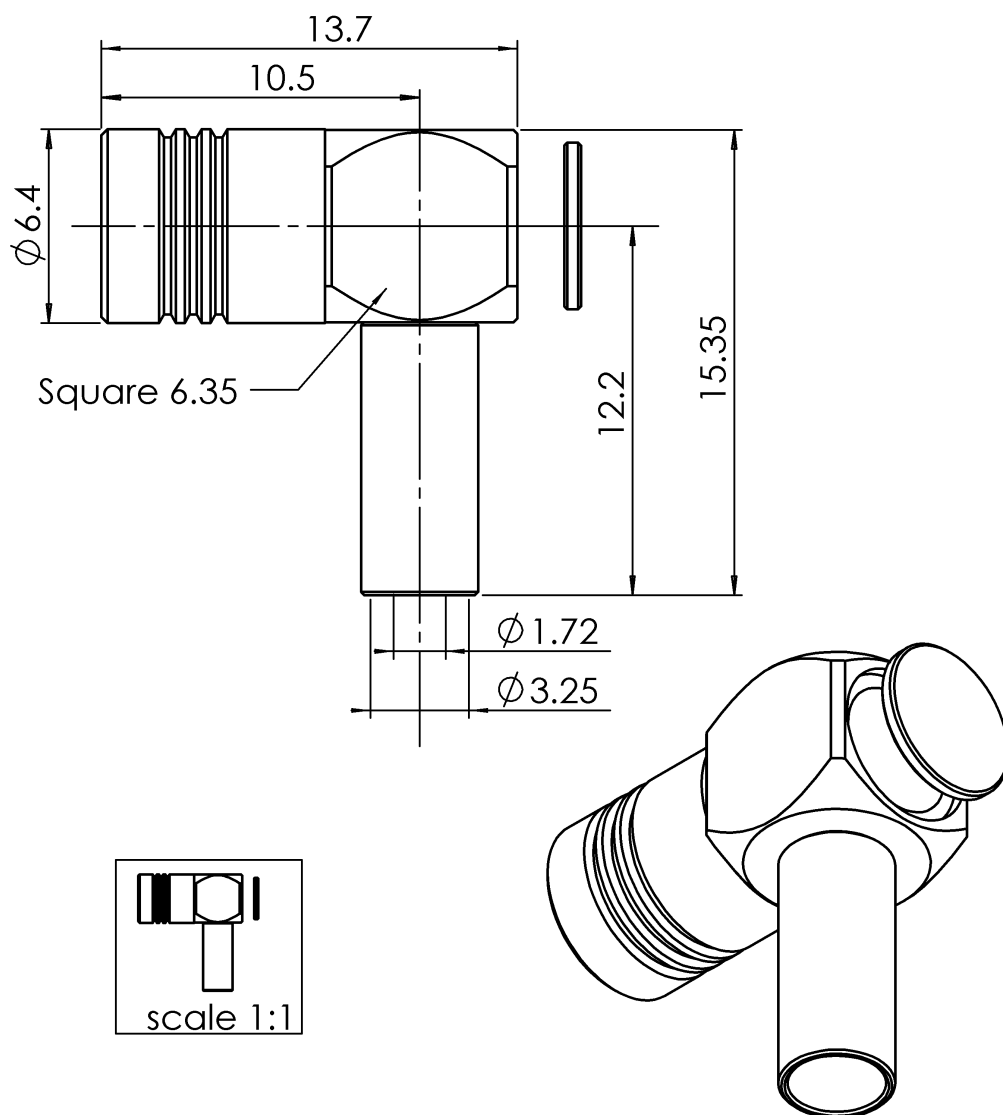


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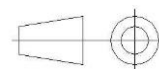
ISSUE 18-08-21A

SERIES **SMB**

PART NUMBER **R1141186107**



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



COMPONENTS	MATERIALS	PLATING (μm)
Body	<b>NON MAGNETIC BRONZE</b>	<b>BBR</b>
Center contact	<b>BERYLLIUM COPPER</b>	<b>GOLD OVER COPPER</b>
Outer contact	<b>BERYLLIUM COPPER</b>	<b>BBR</b>
Insulator	<b>PTFE</b>	
Gasket		
Others parts	<b>NON MAGNETIC BRONZE</b>	<b>BBR</b>
-	-	-
-	-	-

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ISSUE **18-08-21A**

SERIES **SMB**

PART NUMBER **R1141186107**

### PACKAGING

Standard	Unit	Other
<b>100</b>	<b>Contact us</b>	<b>Contact us</b>

### ELECTRICAL CHARACTERISTICS

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-4</b>	GHz
VSWR	<b>1.05 + 0.0100</b>	x F(GHz) Maxi
Insertion loss	<b>0.5</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	<b>57</b>	- F(GHz)) dB Maxi
Voltage rating	<b>335</b>	Veff Maxi
Dielectric withstanding voltage	<b>1000</b>	Veff mini
Insulation resistance	<b>1000</b>	M $\Omega$ mini

### MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	<b>10</b>	N mini
Axial force – Opposite end	<b>10</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>3.1200</b>	g

### 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>1.50</b>	<b>5.40</b>	<b>9.60</b>	<b>0.00</b>	<b>8.10</b>	<b>0.000</b>

Assembly instruction: **SEE PAGE 3**

Recommended cable(s)  
**NON MAGNETIC CABLE**  
**RG 179 AMAG**  
**RG 316 AMAG**

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>110</b>	N mini
- torque	<b>NA</b>	N.cm

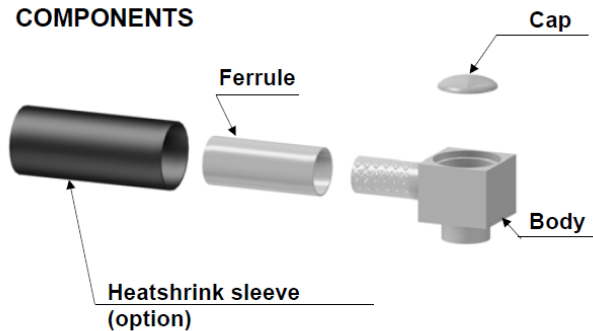
### TOOLING

Part Number	Description	Hexagon
R282.293.000	CRIMPING TOOL M22520/5-01	
R282.235.003	CRIMPING DIES M22520/5-03	3.25
R282.211.000	CRIMPING TOOL	3.25

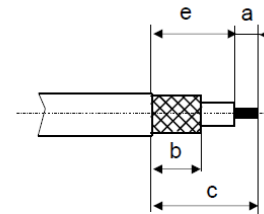
### OTHER CHARACTERISTICS

**Distorsion of the magnetic field**  
**<0.5 ppm at 10mm at Bo=1.5 Tesla**  
**Non magnetic component**

## COMPONENTS

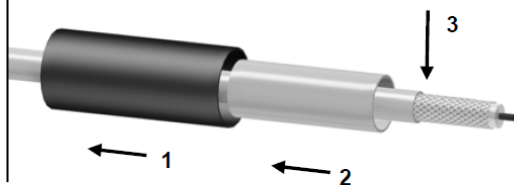


## STRIPPING DIMENSIONS



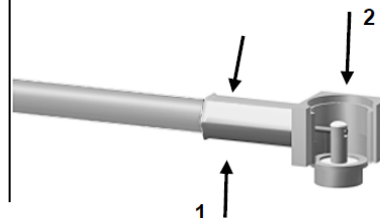
**1**

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



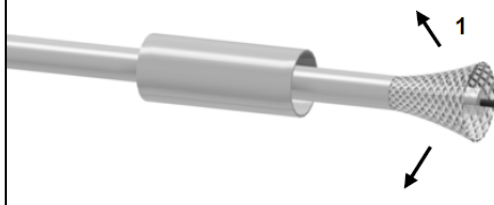
**4**

Crimp the ferrule with crimping tool ( see connector TDS ).  
Solder the inner conductor.



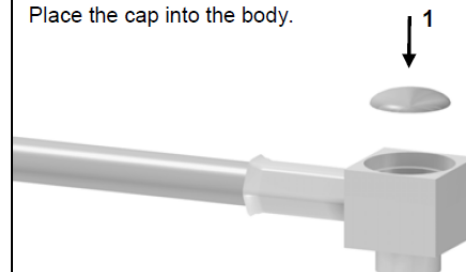
**2**

Fan the braid.



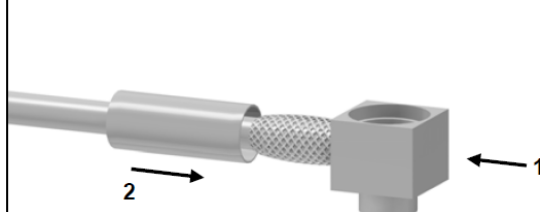
**5**

Place the cap into the body.



**3**

Push the connector body under the braid.  
Slide the ferrule over the braid.



**6**

Use the suitable force to press on the cap.  
It is recommended to use tool to help assembly the cap.  
Slide the sleeve over the ferrule and heatshrink it in place (Option).

