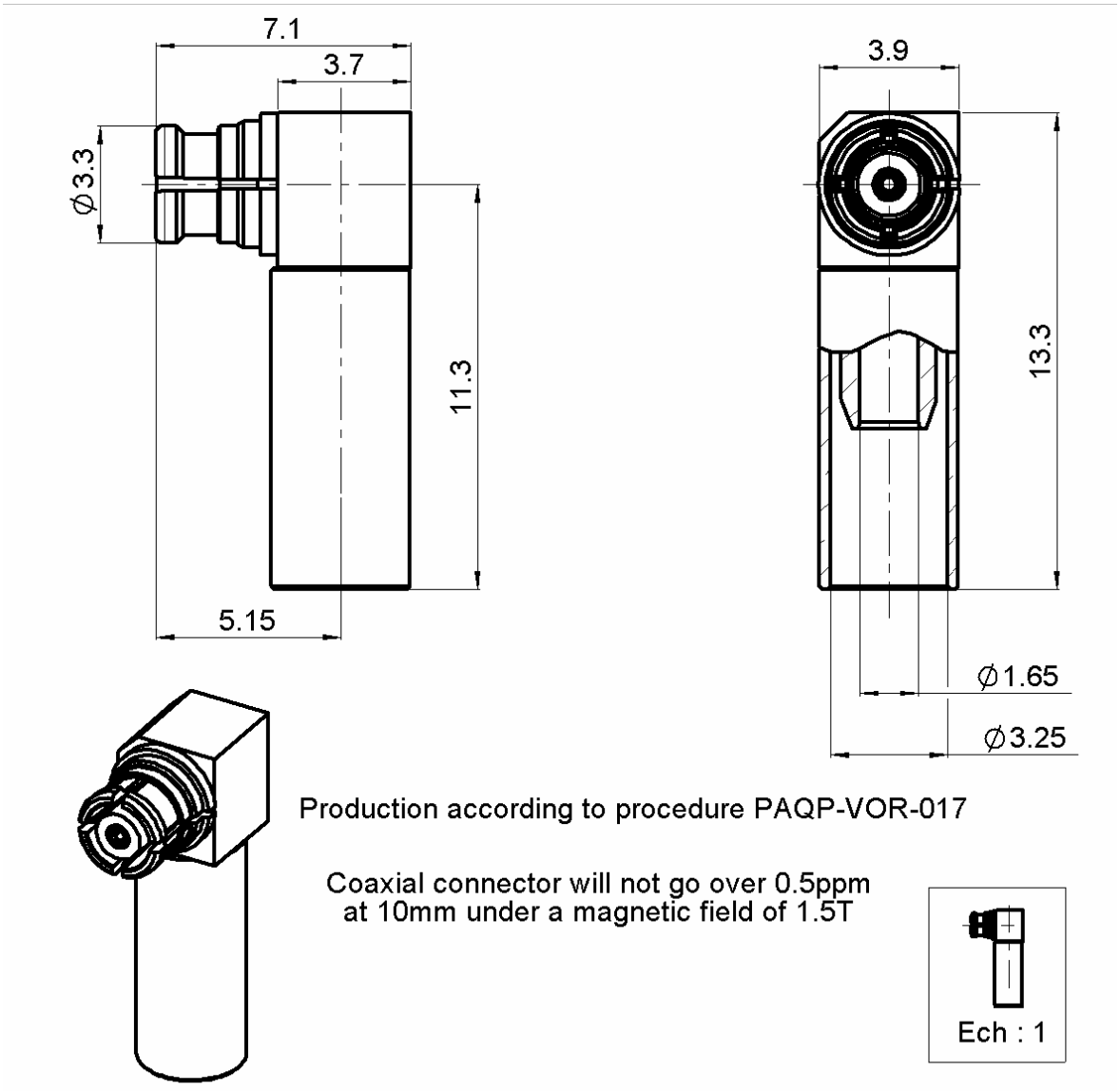
RIGHT ANGLE PLUG CRIMP TYPE

NON MAGNETIC CABLE 2.6/50S

R222.900.357

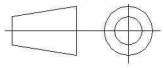
Series : **SMP-COM**



Production according to procedure PAQP-VOR-017

Coaxial connector will not go over 0.5ppm
at 10mm under a magnetic field of 1.5T

All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	**NON MAGNETIC BRONZE**	**BBR 2**
CENTER CONTACT	**BERYLLIUM COPPER**	**GOLD 1.3 OVER COPPER 2.5**
OUTER CONTACT	**BERYLLIUM COPPER**	**BBR 2**
INSULATOR	**PTFE**	
GASKET	-	
OTHERS PARTS	**NON MAGNETIC BRONZE**	**BBR 2**
-	-	-
-	-	-

Issue : 1134 B

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

RADIALL®

RIGHT ANGLE PLUG CRIMP TYPE

NON MAGNETIC CABLE 2.6/50S

R222.900.357

Series : **SMP-COM**

PACKAGING

Standard	Unit	Other
100	**'W' option**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-12.4***	GHz
VSWR	**1.25**** +	**0,0000**	x F(GHz) Maxi
Insertion loss		**0.12**	√F(GHz) dB Maxi
RF leakage	- (	**55*****	- F(GHz)) dB Maxi
Voltage rating		**250**	Veff Maxi
Dielectric withstanding voltage		**750**	Veff mini
Insulation resistance		**5000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**6.8**	N mini
Axial force – Opposite end	**6.8**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**NA**	N.cm
Panel nut	**NA**	N.cm
Clamp nut	**NA**	N.cm
A/F clamp nut	**0,0000**	mm
Mating life	**100**	Cycles mini
Weight	**0,9000**	g

ENVIRONMENTAL

Operating temperature	**-55/+125**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	1,30	5,00	7,80	0,00	6,50	0,00

Assembly instruction :

Recommended cable(s)
NON MAGNETIC CABLE
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	**53**	N mini
- torque	**1.3**	N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.235.003	CRIMPING DIES M22520/5-03	
R282.271.000	CRIMPING TOOL	
R282.293.000	CRIMPING TOOL M22520/5-01	

OTHER CHARACTERISTICS

*ROS 1.7 at 12.4GHz
**ROS at 6GHz
***RF Leakage:-40dB min 3<F<6GHz

Maximum DC current : 7 amps (to be confirmed By test)

DC contact resistance (between the interface) :
2 mOhms on the outer contact
6 mOhms on the center contact

Issue : 1134 B

RADIALL®

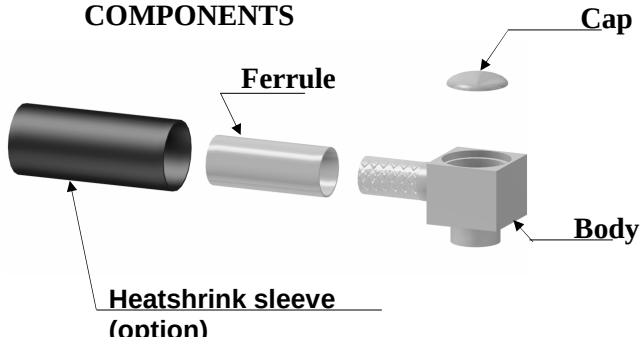
RIGHT ANGLE PLUG CRIMP TYPE

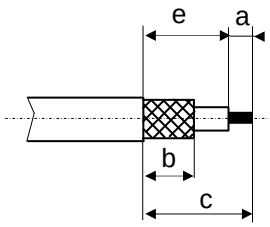
NON MAGNETIC CABLE 2.6/50S

R222.900.357

Series : **SMP-COM**

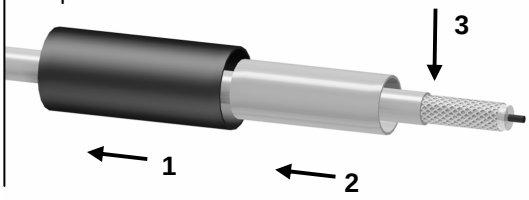
COMPONENTS





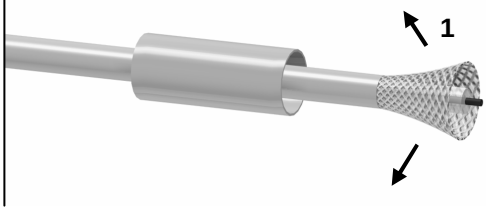
1

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



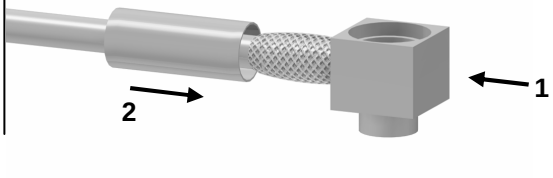
2

Fan the braid.



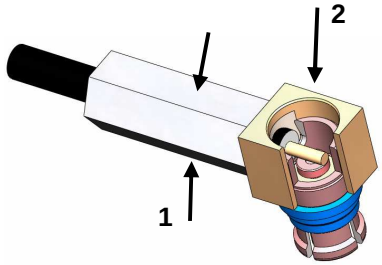
3

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



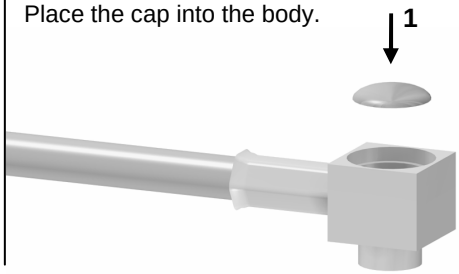
4

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



5

Place the cap into the body.



6

Press on the cap flush or slightly below the surface of the body assembly.
Slide the sleeve over the ferrule and heatshrink it in place (Option).