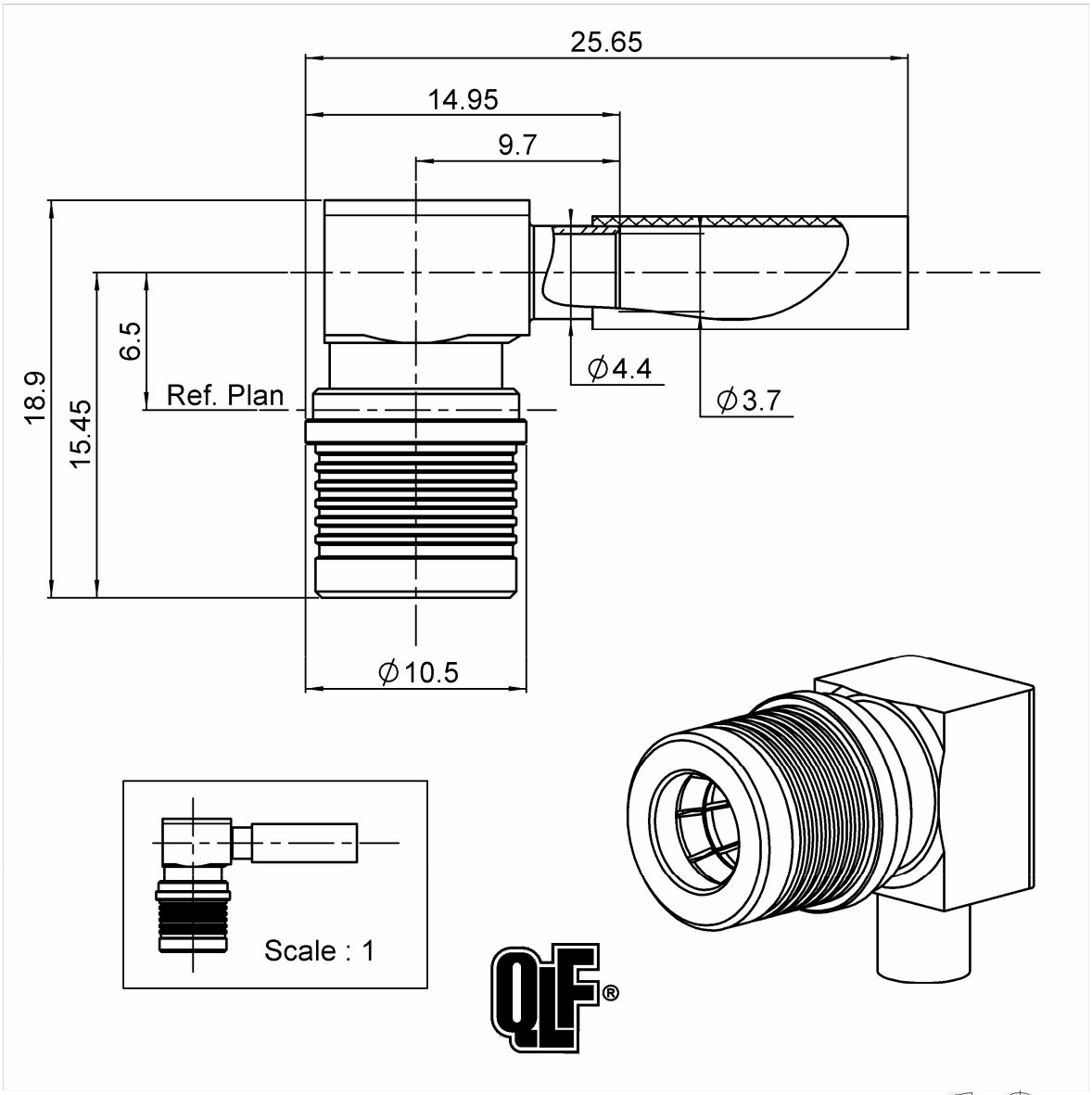
RIGHT ANGLE PLUG SOLDER TYPE

CABLE .141

R123W.154.000

Series : **WQMA**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
BODY	**BRASS**	**BBR**
CENTER CONTACT	**BRASS**	**NPGR**
OUTER CONTACT	**BRASS**	**BBR**
INSULATOR	**PTFE**	
GASKET	**SILICONE RUBBER**	
OTHERS PARTS	**BRASS**	**BBR**
-	-	-
-	-	-

Issue : 1027 C

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

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PACKAGING

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

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-6**	GHz
VSWR	**1.02 +**	**0,0200**	x F(GHz) Maxi
Insertion loss		**0.05**	√F(GHz) dB Maxi
RF leakage	**- (**	*****80**	- F(GHz)) dB Maxi
Voltage rating		**335**	Veff Maxi
Dielectric withstanding voltage		**1000**	Veff mini
Insulation resistance		**5000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**18**	N mini
Axial force – Opposite end	**27**	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	**8,1200**	g

ENVIRONMENTAL

Operating temperature	**-40/+105**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	3,17	0,00	0,00	0,00	0,00	0,00
mm	3,17	0,00	14*	0,00	0,00	0,00

* for jacketed câble

Assembly instruction**:** **NA**

Recommended cable(s)

RG 402
KS 2
CONF FIL2PA373

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	**270**	N mini
- torque	**NA**	N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.053.000	STRIPPING TOOL	
R282.067.000	POINTER GAUGE	
R282.740.000	SOLDERING MOUNTING	
R282.744.240	SOLDERING POSITIONER	
R282.761.000	ASSEMBLY FIXTURE FOR	WQMA END CAP

OTHER CHARACTERISTICS

*Interface ingress protection :
IP68(IEC60529) mated condition
**Intermod.: -120dBc at 1.8GHz (2 x 20W)

Issue : 1027 C

RADIALL

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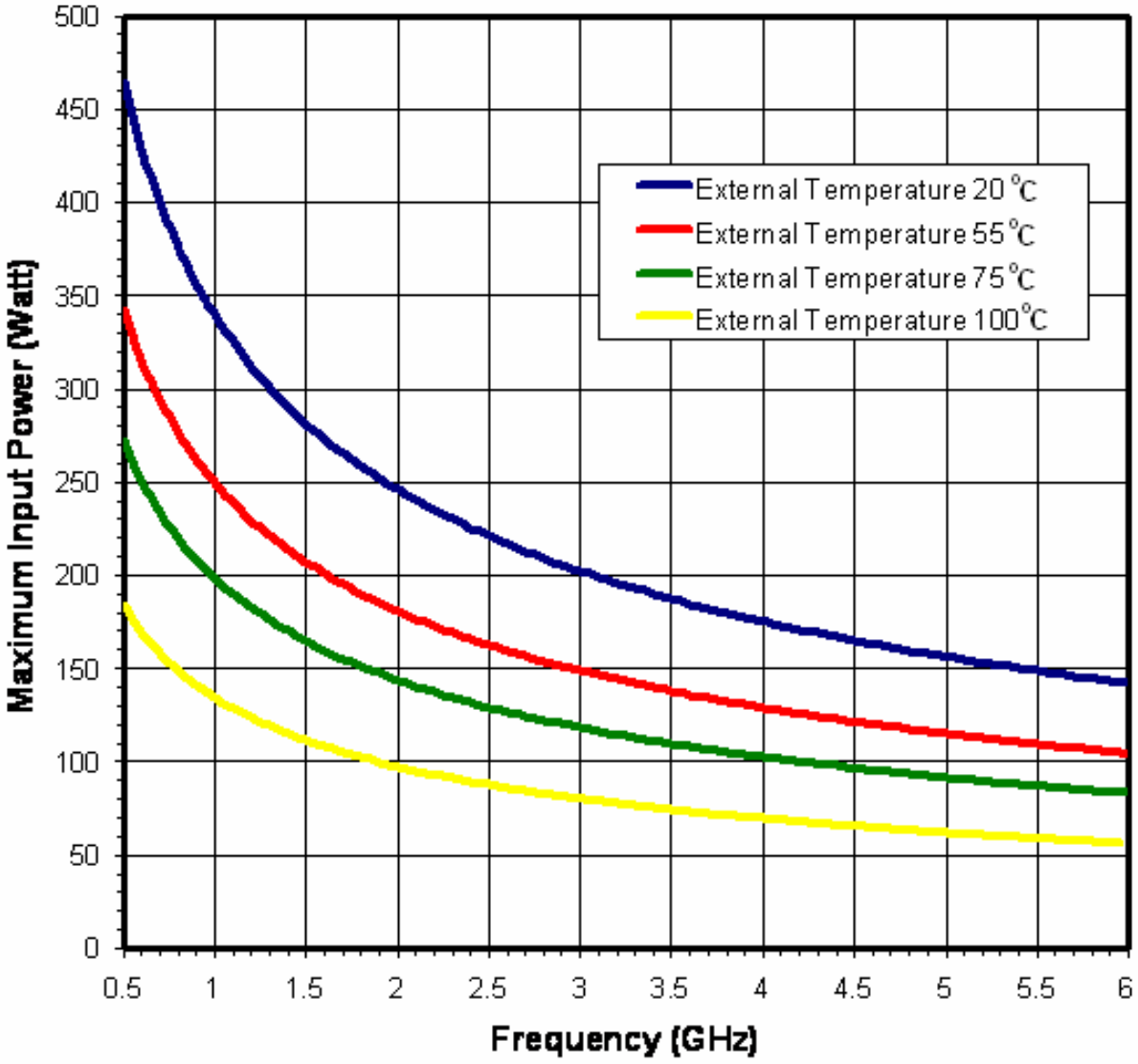
***RF leakage(interface) 3<F<6GHz: >70dB

POWER DERATING



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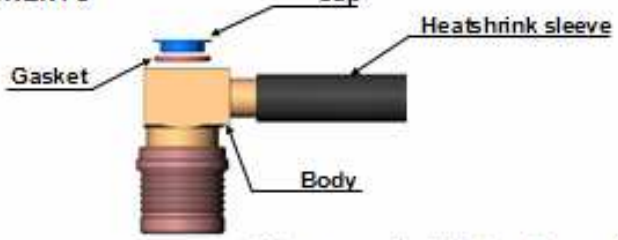
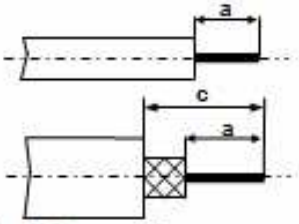
COMPONENTS



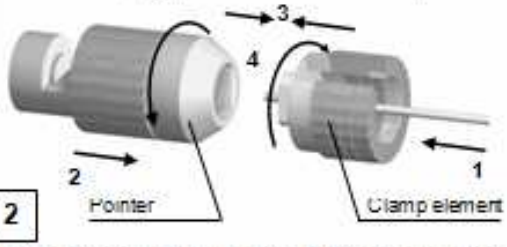
STRIPPING DIMENSIONS



We recommend a cable thermal preconditioning before assembly

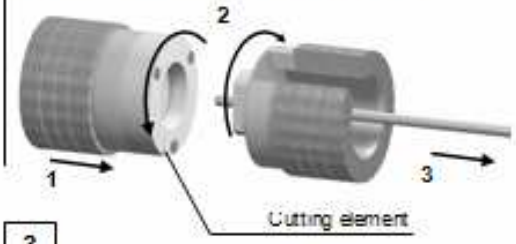
1

For cables with a jacket, remove this one according to the quotation C before using the recommended tool.
Insert the cable into the clamping element.
Present the pointer in front of the clamping element.
Push the cable until it stops, while holding the clamping element pushed on the hollow part of the pointer.
Turn the clamping part until the release of the pointer.



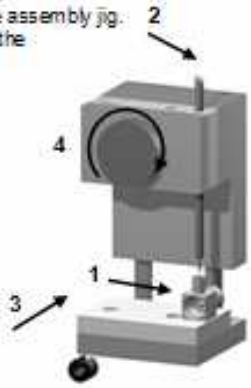
2

Present the cutting element in front of the cutting element.
Push and turn both elements, back part opposite to the front part.
Once they reach the stop, pull without revolving.



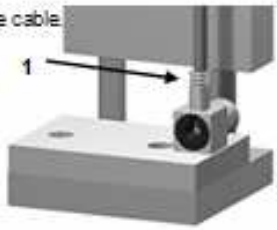
3

Insert the cable into the body.
Secure the positioner into the assembly jig.
Place the sub-assembly into the assembly jig.
Tighten.



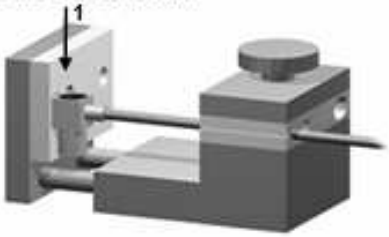
4

Put three rings of solder around the cable.
Solder the body onto the cable.



5

After cooling, remove the assembly from the jig.
Remove the positioner.
Solder the inner conductor.



6

Place the connector into the tool. Place the gasket and the cap into the body.
Press on the cap flush or slightly below the surface of the body assembly. Slide the sleeve over the body and heatshrink it in place