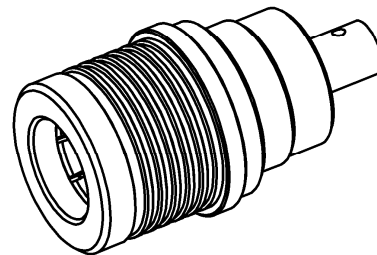
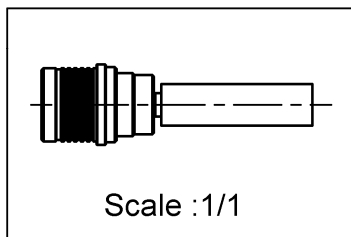
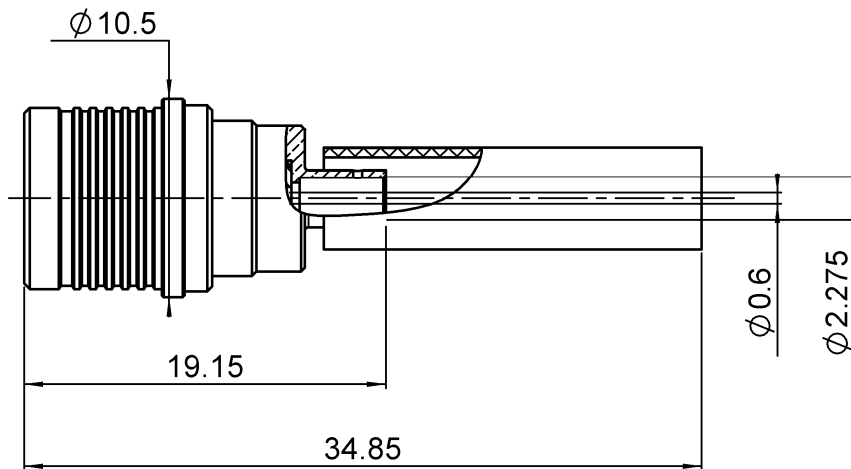


**STRAIGHT PLUG SOLDER TYPE**

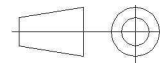
**R123W.054.000**

**CABLE .085**

Series : WQMA



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	BRASS	BBR 2 Brasable
CENTER CONTACT	BRASS	NPGR
OUTER CONTACT	BRASS	BBR2
INSULATOR	PTFE	
GASKET	SILICONE RUBBER	
OTHERS PARTS	BRASS	BBR2
-	-	-
-	-	-

Issue : 1027 B

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



**STRAIGHT PLUG SOLDER TYPE**

**R123W.054.000**

**CABLE .085**

Series : **WQMA**

**PACKAGING**

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

**SPECIFICATION**

**ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-6</b>	GHz
VSWR	<b>1.02 + 0,0200</b>	x F(GHz) Maxi
Insertion loss	<b>0.05</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- ( <b>***80</b> )	- F(GHz)) dB Maxi
Voltage rating	<b>335</b>	Veff Maxi
Dielectric withstanding voltage	<b>750</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

**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	10*	0,00	0,00	0,00

\* for jacketed cable

Assembly instruction:

Recommended cable(s)  
 HC60000-3  
 RG 405  
 KS 1  
 ALL RG405 HAND

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>130</b>	N mini
- torque	<b>NA</b>	N.cm

**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

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.051.000	STRIPPING TOOL	
R282.063.000	POINTER GAUGE	
R282.740.000	SOLDERING MOUNTING	
R282.744.220	SOLDERING POSITIONER (CENTER CONTACT)	
R282.862.090	CONTROL GAUGE	

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>100</b>	Cycles mini
Weight	<b>5,0600</b>	g

**ENVIRONMENTAL**

Operating temperature	<b>-40/+105</b>	$^{\circ}$ C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**OTHER CHARACTERISTICS**

\*Interface ingress protection :  
 IP68(IEC60529) mated condition  
 \*\*Intermod.: -120dBc at 1.8GHz (2 x 20W)  
 \*\*\*RF leakage(interface)  $3 < F < 6$ GHz: >70dB

Issue : **1027 B**

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



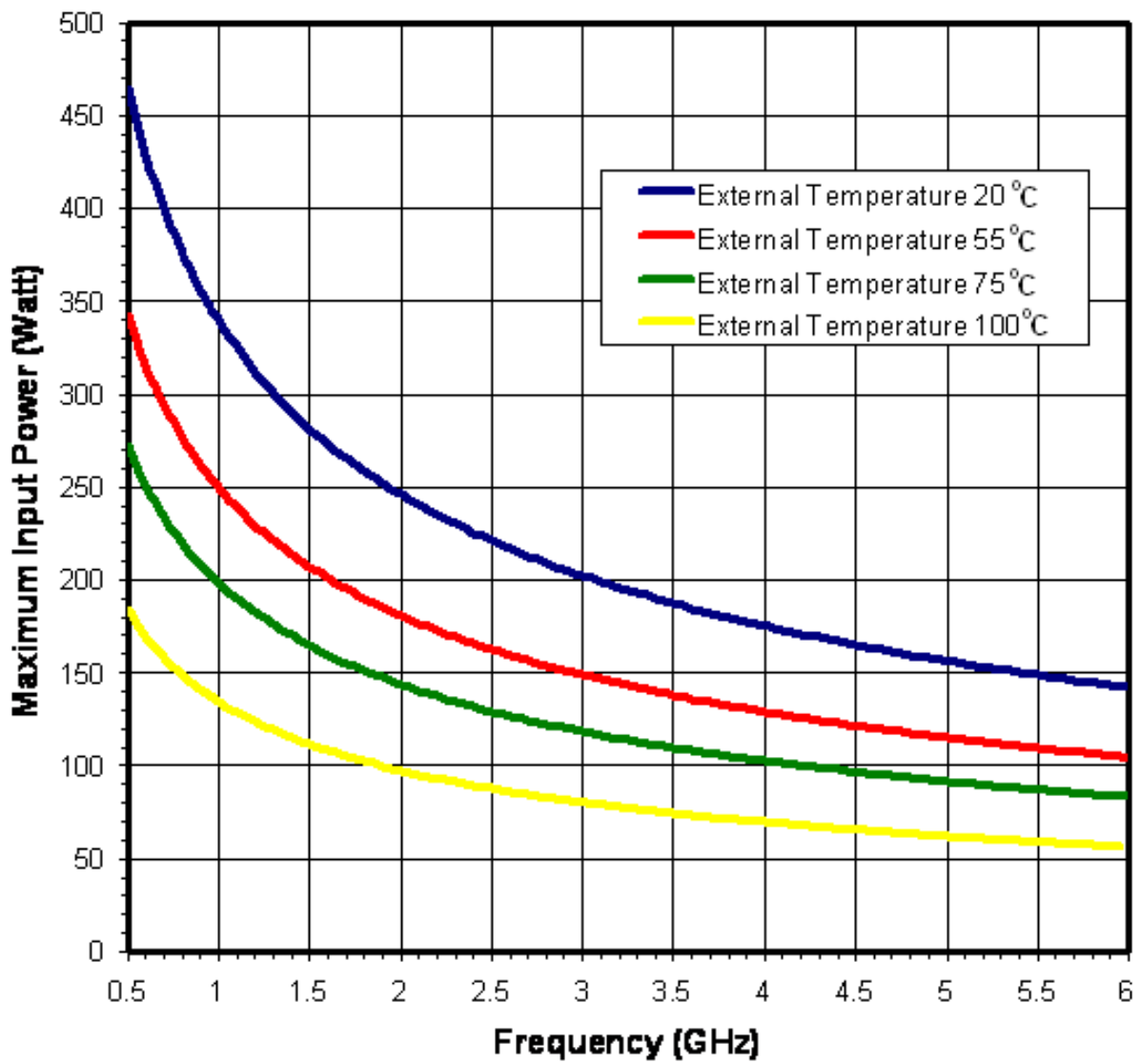
STRAIGHT PLUG SOLDER TYPE

**R123W.054.000**

CABLE .085

Series : WQMA

### POWER DERATING



Issue : 1027 B

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



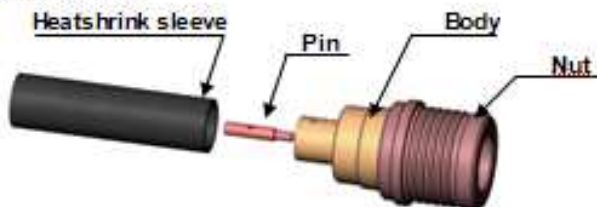
**STRAIGHT PLUG SOLDER TYPE**

**R123W.054.000**

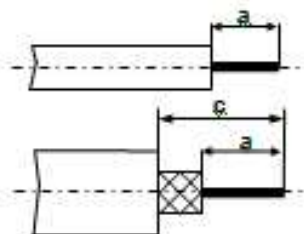
**CABLE .085**

Series : WQMA

**COMPONENTS**



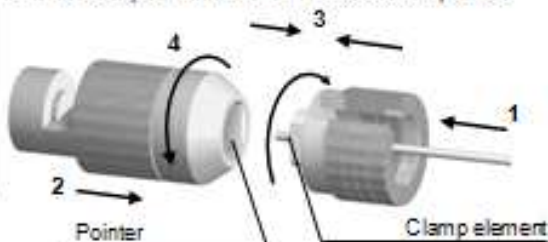
**STRIPPING DIMENSIONS**



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 clamp element. Present the pointer in front of the clamp element. Push the cable until it stops, while holding the clamp element pushed on the hollow part of the pointer. Turn the clamp element until the release of the pointer.



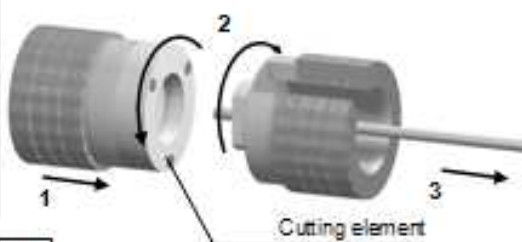
**4**

After cooling, remove the assembly from the jig. Positioning the connector onto the Assembly jig. Slide the cable into the connector until it bottoms against the insulator. Tighten. Put three rings of solder around the cable and solder. After cooling, remove the assembly from the jig.



**2**

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



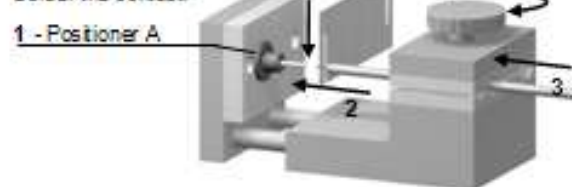
**5**

Slide the sleeve over the body and heatshrink it in place.



**3**

Mount the positioner A. Slide the centre contact into the positioner A. Insert the solder gauge between the centre contact and the cable. Tighten. Solder the contact.



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