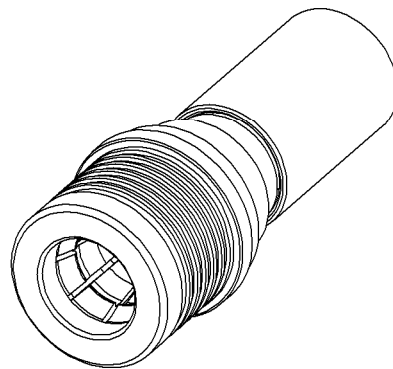
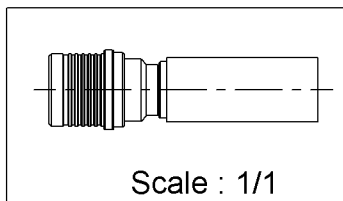
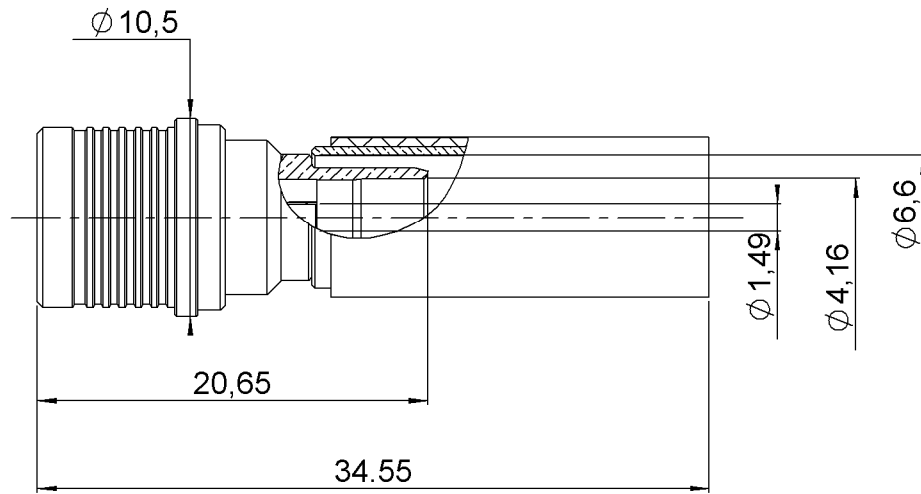


**STRAIGHT PLUG CRIMP TYPE**

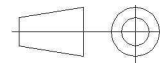
**R123W.096.100**

**CABLE 6/50 D**

Series : WQMA



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING ( $\mu\text{m}$ )
BODY	BRASS	BBR2
CENTER CONTACT	BRASS	NPGR
OUTER CONTACT	BRASS	BBR2
INSULATOR	PTFE	
GASKET	SILICONE RUBBER	
OTHERS PARTS	BRASS	BBR2
-	-	-
-	-	-

Issue : 0950 A

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



**STRAIGHT PLUG CRIMP TYPE**

**R123W.096.100**

**CABLE 6/50 D**

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>1000</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	2,00	5,90	7,90	0,00	5,90	0,00

Assembly instruction :

Recommended cable(s)  
ECO 230

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

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end	<b>18</b>	N mini
Axial force – Opposite end	<b>27</b>	N mini
Torque	<b>NA</b>	N.cm mini

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.223.000	CRIMPING TOOL	6.48
R282.235.013	CRIMPING DIES	6.48
R282.293.000	CRIMPING TOOL M22520/5-01	

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>6,2200</b>	g

**OTHER CHARACTERISTICS**

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

**ENVIRONMENTAL**

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

Issue : 0950 A

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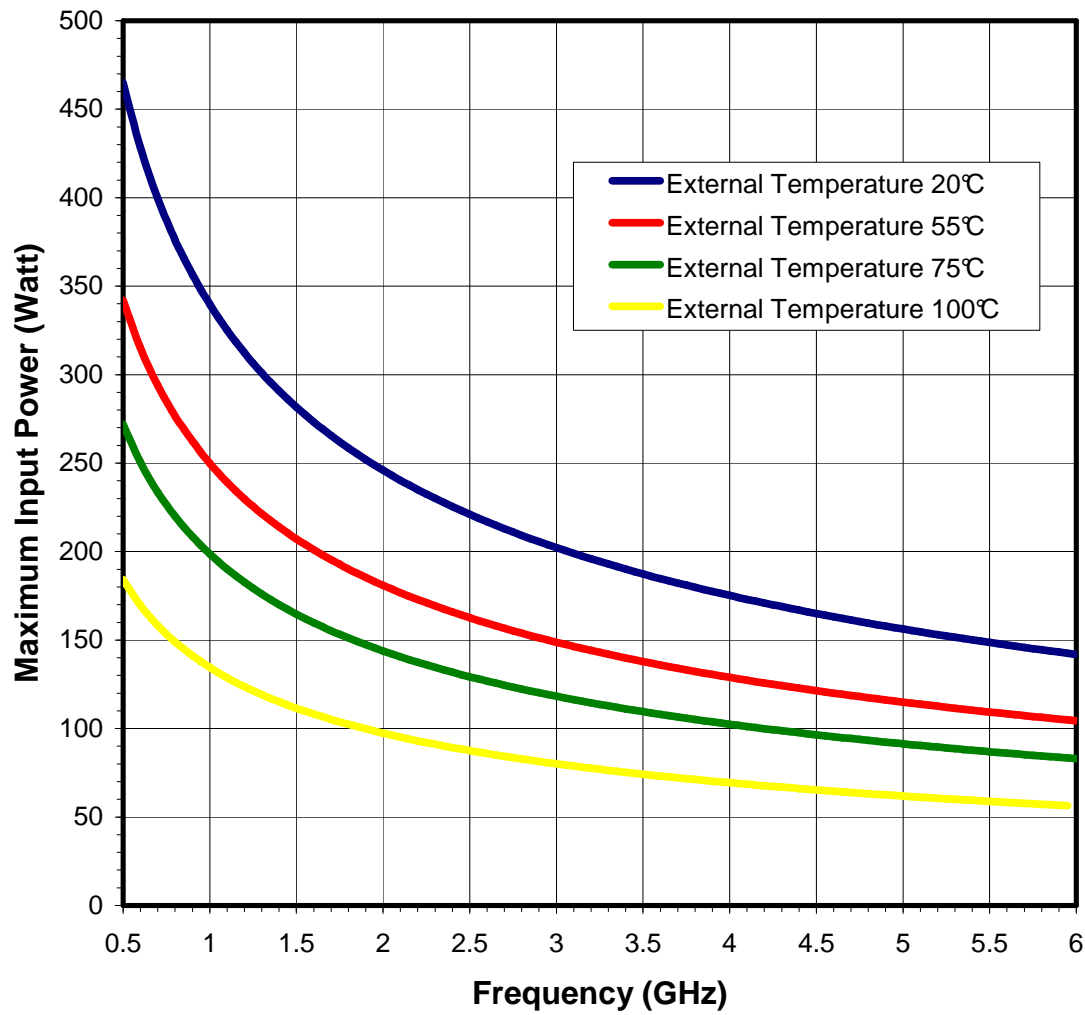
**STRAIGHT PLUG CRIMP TYPE**

**R123W.096.100**

**CABLE 6/50 D**

Series : WQMA

**POWER DERATING**



Issue : 0950 A

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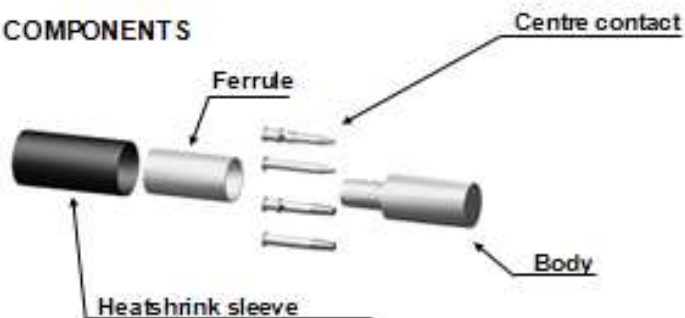
**STRAIGHT PLUG CRIMP TYPE**

**R123W.096.100**

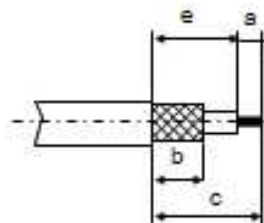
**CABLE 6/50 D**

Series : WQMA

**COMPONENTS**



**STRIPPING DIMENSIONS**



**1**

Slide the heatshrink sleeve onto the cable.  
Slide the ferrule onto the cable.  
Strip the cable.



**4**

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



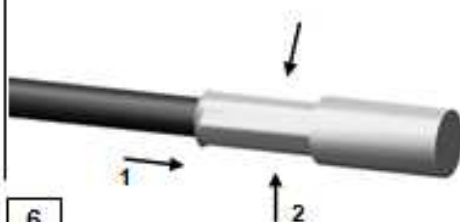
**2**

Slide the centre contact on until it bottoms against the cable dielectric.  
Solder the centre contact.  
Clean solder area.



**5**

Slide the ferrule over the braid.  
Crimp the ferrule with crimping tool (see connector TDS).  
Cut the excess of braid if necessary.



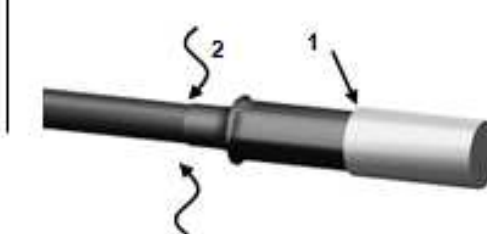
**3**

Fan the braid.



**6**

Slide the heatshrink sleeve over the ferrule and over the back of the body. Use if possible a pistol warm air.  
(Recommended temperature: 250 at 300°C)  
Uniform heating on all the surface of the heatshrink sleeve.



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