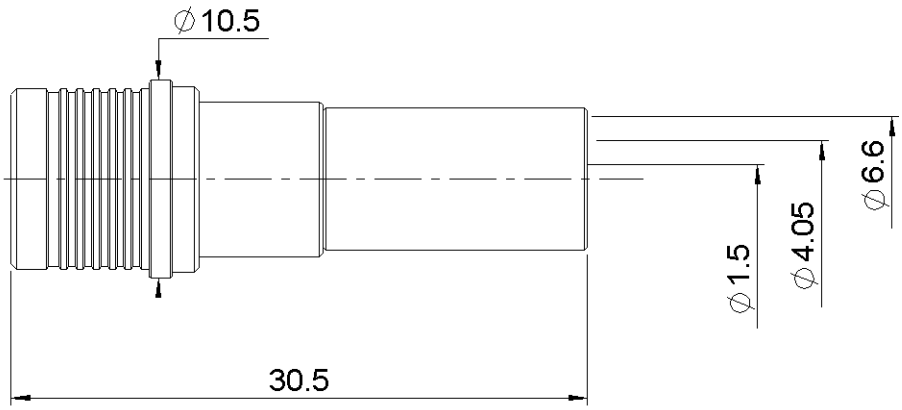
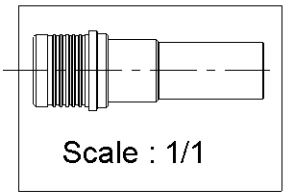
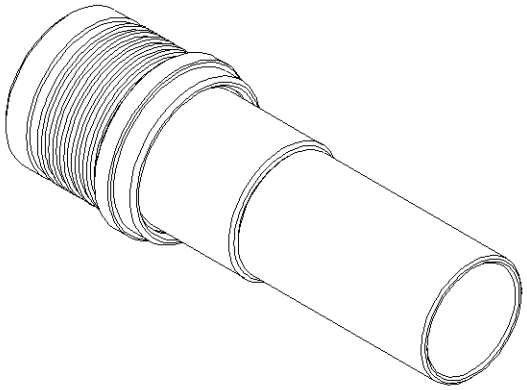
Technical Data Sheet

STRAIGHT PLUG CRIMP TYPE CABLE 6.1/50D

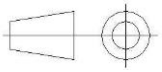
PAGE **1/3**	ISSUE **22-10-21B**	SERIES **QMA**	PART NUMBER **R123076310**







All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
Body	**BRASS**	**BBR**
Center contact	**BRASS**	**NPGR**
Outer contact	**BRONZE**	**BBR**
Insulator	**PTFE**	
Gasket	**-**	
Others parts	**BRASS**	**BBR**
-	-	-
-	-	-

PACKAGING

Standard	Unit	Other
100	**Contact us**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-6**	GHz
VSWR	**1.12***	**+**	**0.0000**	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	**18**	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	**7.3700**	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	**4.2**	**10**	**15**	**0**	**10.8**	**0**

Assembly instruction**: SEE PAGE 3**

Recommended cable(s)
KSR240
LMR 240

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

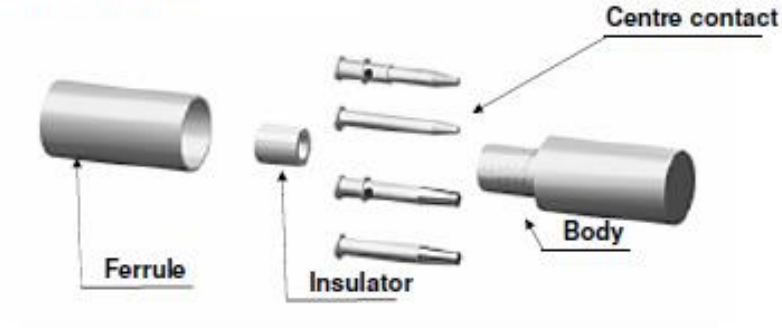
TOOLING

Part Number	Description	Hexagon
R282223000	CRIMPING TOOL	6.48
R282235013	CRIMPING DIES	6.48
R282293000	CRIMPING TOOL M22520/5-01	

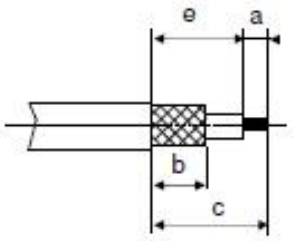
OTHER CHARACTERISTICS

***VSWR: 1.12 max@0-3GHz, 1.2 max@3-6GHz**
****RF: leakage(interf.): 3<F<6GHz: <-70dB**

COMPONENTS



STRIPPING DIMENSIONS

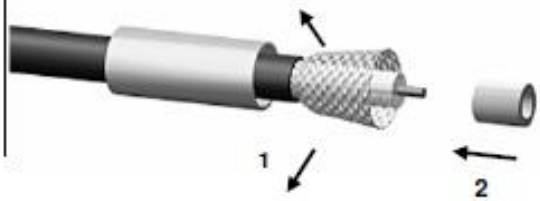


1

Slide the ferrule onto the cable.
Strip the cable.

2

Fan the braid.
Slide the insulator on the cable centre contact until it bottoms against the cable dielectric.

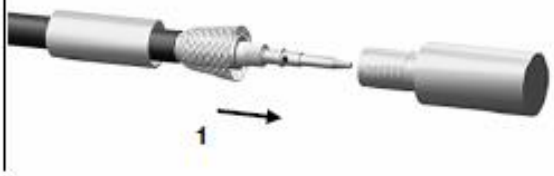


3

Slide on the centre contact until it bottoms against the additional insulator.
Solder the centre contact.
Clean solder area if necessary.

4

Slide cable into body until it bottoms against insulator.



5

Slide the ferrule over the braid.

6

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