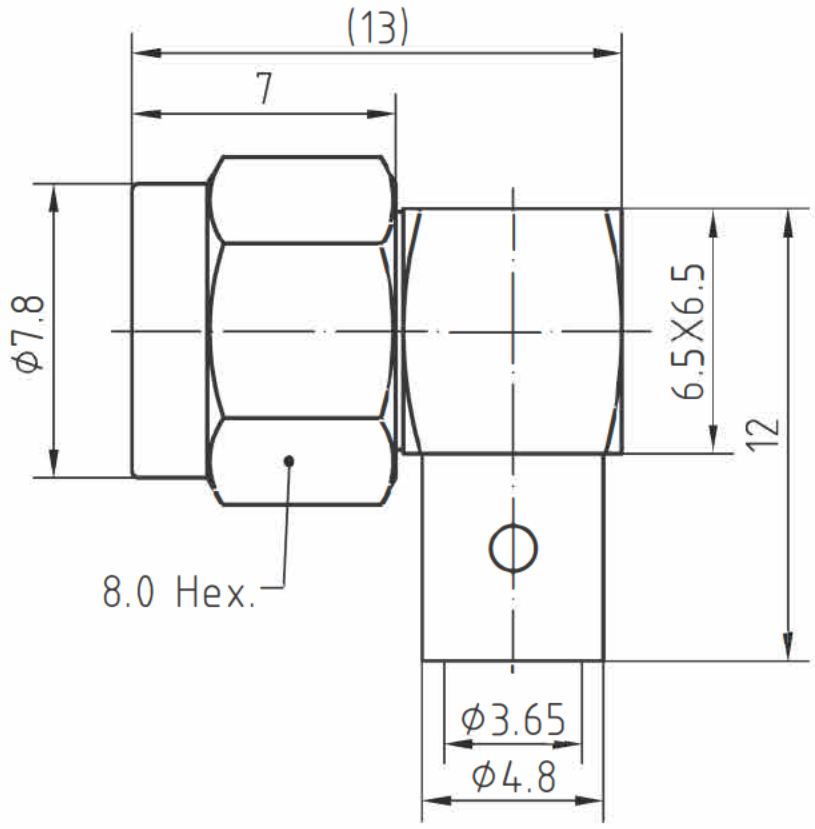
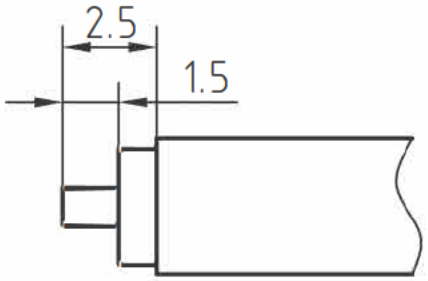
DRAWING



CABLE(RG402/U,.141)



5	1	O-ring	Silicone rubber	
4	1	Coupling nut	Stainless steel/Passivated(SUS303)	
3	1	Body	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	

Designed by	Checked by	Approved by	File name	Date	Scale
Xio Xang	Jing Lo	Jing Chan	SMA-131200EB	26.08.03	5 : 1

RF CONNEC
excellent way of connect

SMA-131200EB

Edition	Sheet
1.0	1/1

CHARACTERISTICS

DESCRIPTION:	SMA Type male R/A connector

Electrical data:

Impedance:	*50 ohm*
Frequency range:	*DC to 18.0 GHz*
VSWR:	*≤ 1.05 + 0.02 X f [GHz]*
Insertion loss:	*≤ 0.15 X $\sqrt{f[GHz]}$ dB*
Insulation resistance:	*≥5000MΩ*
Test voltage: Working	*1000 V rms*
voltage: Contact	*480 V rms*
resistance:	
1). Centre contact:	*3.0 mΩ*
2). Outer conductor:	*2.0 mΩ*
Power handling (at 20 °C, sea level, VSWR 1,0):	*≤ 200 W @ 2 GHz;*
RF-leakage	*≥ 100 dB up to 1 GHz*

- Limitations are possible due to the used cable type -

Environmental data:

Temperature rating:	*-65 ° C to +165 ° C*
2002/95/EC (RoHS):	*Compliant*

Mechanical data:

Mating cycles:	*≥500*
Coupling nut retention	*≥ 270 N*
Coupling test torque:	*≤1.7 Nm*
Recommended torque:	*0.8 Nm to 1.1 Nm*

Suitable cables:

.141, RG 402

RF CONNEC
excellent way of connect