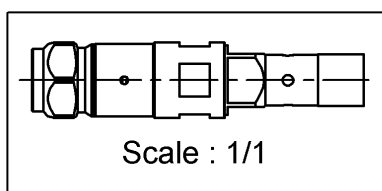
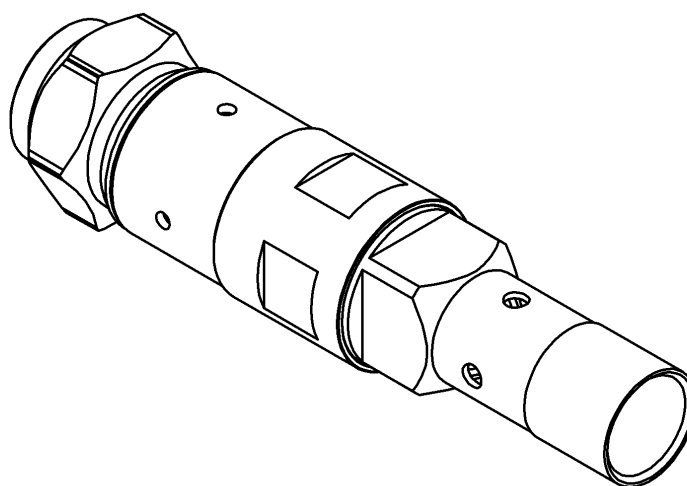
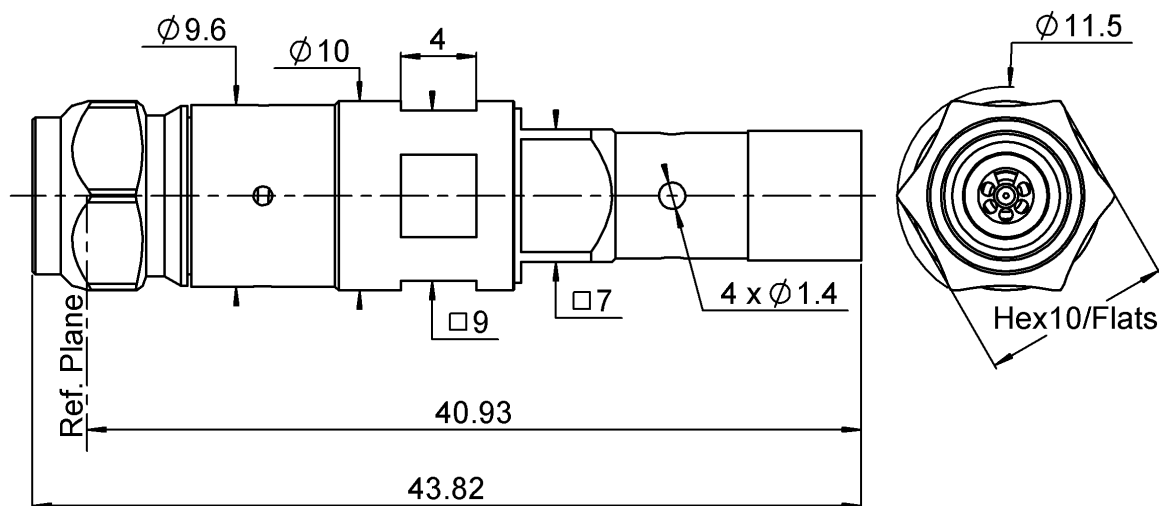


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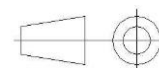
ISSUE 12-10-18A

SERIES SMA2.9

PART NUMBER R127017101



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
Body	STAINLESS STEEL (316L)	PASSIVATED
Center contact	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
Outer contact	BRASS	GOLD 1.3 OVER NICKEL2
Insulator	PEEK	
Gasket	FLUORO SILICON RUBBER	
Others parts	BRASS	GOLD 0.2 OVER NICKEL 2
-	-	-
-	-	-

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### PACKAGING

Standard	Unit	Other
<b>1</b>	<b>Contact us</b>	<b>Contact us</b>

### ELECTRICAL CHARACTERISTICS

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-40</b>	GHz
VSWR	<b>1.2* + 0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.1</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	<b>- ( 90**</b>	- F(GHz)) dB Maxi
Voltage rating	<b>350</b>	Veff Maxi
Dielectric withstanding voltage	<b>750</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

### MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	<b>27</b>	N mini
Axial force – Opposite end	<b>27</b>	N mini
Torque	<b>NA</b>	N.cm mini
Recommended torque		
Mating	<b>90</b>	N.cm
Panel nut	<b>NA</b>	N.cm
Clamp nut	<b>240</b>	N.cm
A/F clamp nut	<b>7,0000</b>	mm
Mating life	<b>500</b>	Cycles mini
Weight	<b>12,9000</b>	g

### ENVIRONMENTAL

Operating temperature	<b>-55/+85</b>	°C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>IP67</b>	

### SPECIFICATION

### CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Assembly instruction:

Recommended cable(s)

**SHF3UF**

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>***</b>	N mini
- torque	<b>***</b>	N.cm

### TOOLING

Part Number	Description	Hexagon
.	.	.

### OTHER CHARACTERISTICS

\* **1.17 up to 30 GHz**

\*\* **Up to 18 GHz**

\*\*\* **See the TDS of the cable assembly**