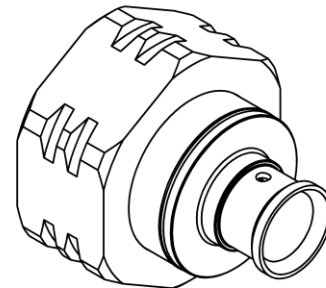
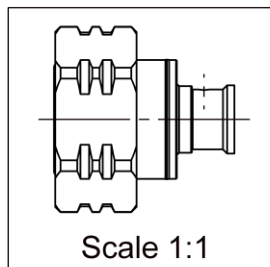
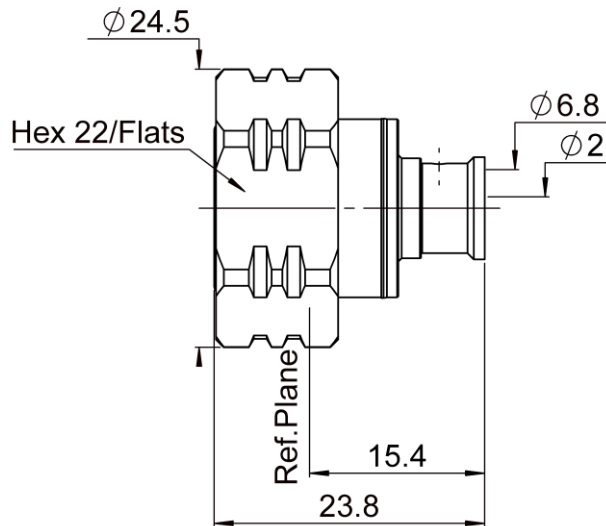
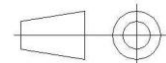


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All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
Body	BRASS	BBR
Center contact	BRASS	SILVER
Outer contact		
Insulator	PTFE	
Gasket	EPDM	
Others parts	BRASS	BBR
-	-	-
-	-	-

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PACKAGING

Standard	Unit	Other
50	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-6	GHz
VSWR	1.02 + 0.0150	x F(GHz) Maxi
Insertion loss	0.05	\sqrt{F} (GHz) dB Maxi
RF leakage	- (NA)	- F(GHz)) dB Maxi
Voltage rating	850	Veff Maxi
Dielectric withstanding voltage	1500	Veff mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	30	N mini
Axial force – Opposite end	30	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	500	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	28.3760	g

ENVIRONMENTAL

Operating temperature	-55~+90	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	5.3	0	15	0	0	0

Assembly instruction:

Recommended cable(s)

HCF 1/4" Cu2Y AICu

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	250	N mini
- torque	NA	N.cm

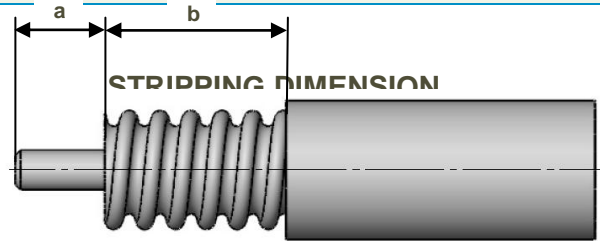
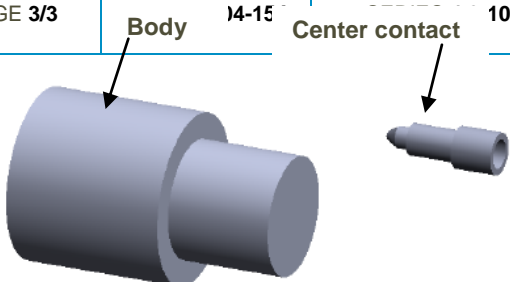
TOOLING

Part Number	Description	Hexagon
.	.	.

OTHER CHARACTERISTICS

IP67 mated condition

PAGE 3/3	Body 14-15	Center contact 10	PART NUMBER R183030017
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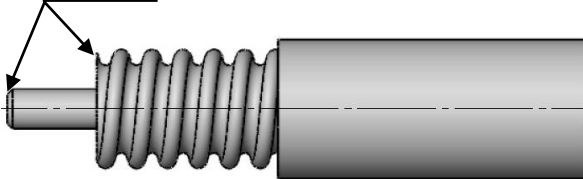
Inner conductor

Helix outer conductor

1

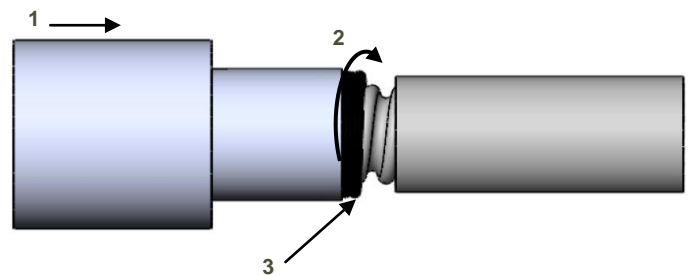
- Strip the cable.
- Do not damage the outer conductor.
- The end surface of inner conductor should be chamfered.
- Remove impurities such as copper scraps and burrs on the end surface of the cable.

Trim debris



3

- Push the cable into the connector body, until it stops.
- Use the reserved solder wire to wrap the cable to fill the space between cable and connector.
- Solder the connector body with cable.



2

- Insert center contact on the cable.
- Put solder gauge(1.4mm) between center contact and cable. Push the center contact to the gauge until it stops.
- Solder center contact.
- Wrap the cable by solder wire (Dia 0.8mm).

