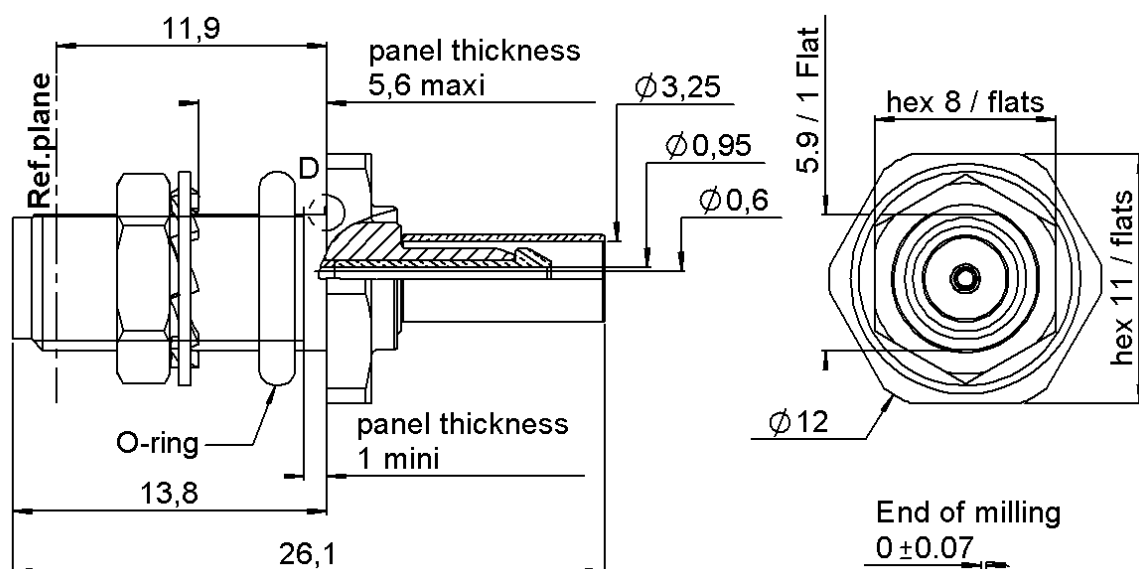


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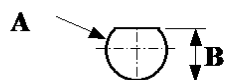
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SERIES SMA

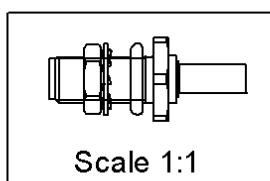
PART NUMBER R125320020



PANEL CUT OUT

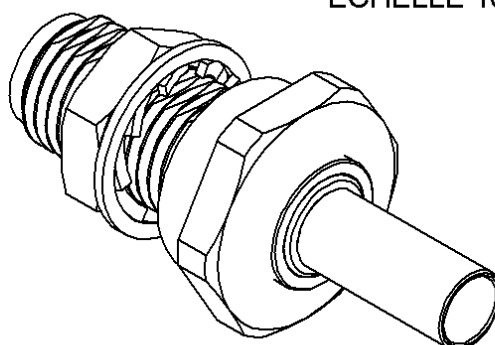


	mm	
	Maxi	mini
A	6.5	6.4
B	6.15	6

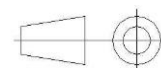


End of milling
 0 ± 0.07

DÉTAIL D
ECHELLE 10 : 1



All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING (μm)
Body	STAINLESS STEEL	GOLD OVER NICKEL
Center contact	BERYLLIUM COPPER	GOLD OVER COPPER
Outer contact		
Insulator	PTFE	
Gasket	SILICONE RUBBER	
Others parts	STAINLESS STEEL	GOLD OVER NICKEL
-	-	-
-	-	-

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PACKAGING

Standard	Unit	Other
100	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-12.4	GHz
VSWR	1.15 + 0,0600	x F(GHz) Maxi
Insertion loss	0.1	\sqrt{F} (GHz) dB Maxi
RF leakage	- (*40)	- F(GHz)) dB Maxi
Voltage rating	170	Veff Maxi
Dielectric withstanding voltage	500	Veff mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	27	N mini
Axial force – Opposite end	27	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	NA	N.cm
Panel nut	150	N.cm
Clamp nut	NA	N.cm
A/F clamp nut	0,0000	mm
Mating life	500	Cycles mini
Weight	4,2700	g

ENVIRONMENTAL

Operating temperature	-65/+105	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	IP67	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	1,5	7,5	12,5	0	11	0

Assembly instruction:

Recommended cable(s)

RG 178

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	35	N mini
- torque	NA	N.cm

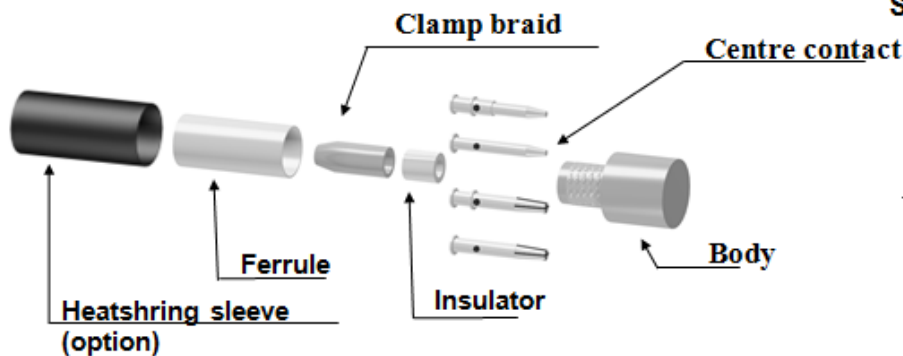
TOOLING

Part Number	Description	Hexagon
R282211000	CRIMPING TOOL	3.25
R282235003	CRIMPING DIES M22520/5-03	3.25
R282293000	CRIMPING TOOL M22520/5-01	

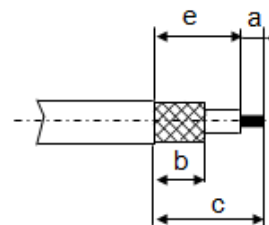
OTHER CHARACTERISTICS

***The shielding effectiveness is limited
by the RG178 cable**

COMPONENTS

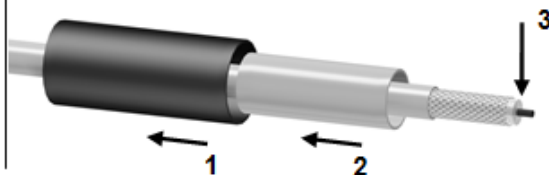


STRIPPING DIMENSIONS



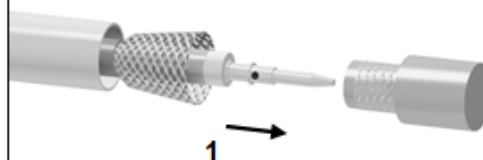
1

Slide the heatshrink sleeve onto the cable (Option).
Slide the ferrule onto the cable.
Strip the cable.



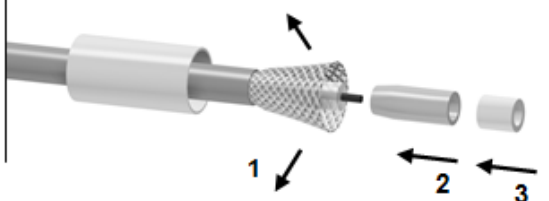
4

Slide cable into body until it bottoms against insulator.



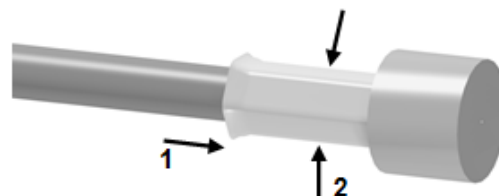
2

Fan the braid and brush it to respect the cable retention sanction.
Slide the braid clamp and the insulator between the dielectric and the braid.
Slide the insulator between the dielectric and the braid.



5

Slide the ferrule over the braid.
Crimp the ferrule with crimping tool (see connector TDS).



3

Slide on the centre contact until it bottoms against the cable dielectric.
Solder or crimp the centre contact with crimping tool (see connector TDS).
Clean solder area if necessary.



6

Cut the excess of braid if necessary.
Slide the sleeve over the ferrule and heatshrink it in place (Option).

