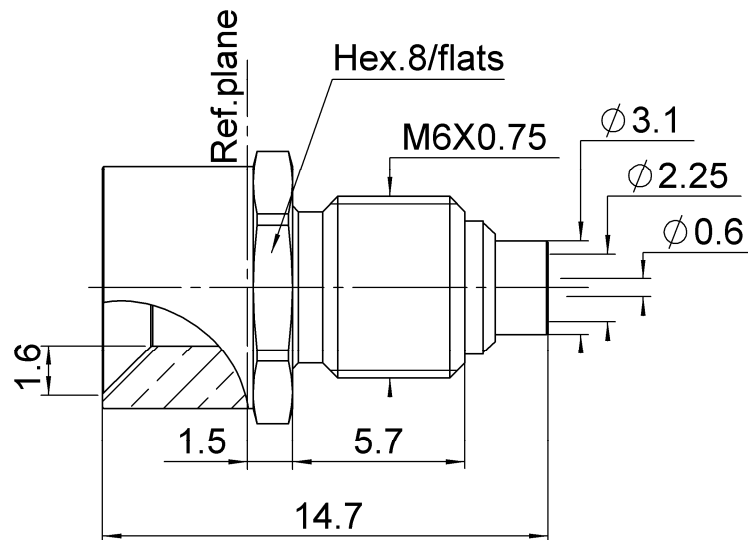


SCREW ON STRAIGHT MALE JACK SOLDER TYPE

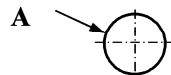
SLIDE TYPE - CABLE .085

R222.M20.700

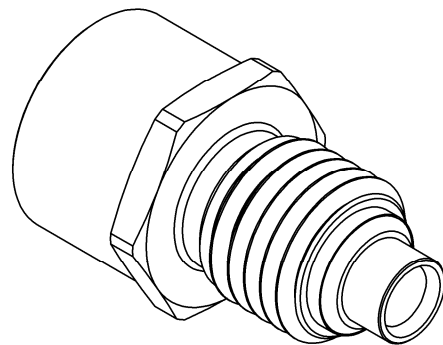
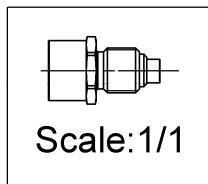
Series : SMP-MAX



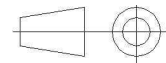
PANEL CUT OUT



mm	
Maxi	mini
A	M6×0.75



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	BRASS	BBR, GOLD OVER NICKEL
CENTER CONTACT	BRASS	NPGR
OUTER CONTACT		
INSULATOR	PTFE	
GASKET		
OTHERS PARTS		
-	-	-
-	-	-

Issue : 1107 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

RADIAL 

SCREW ON STRAIGHT MALE JACK SOLDER TYPE

R222.M20.700

SLIDE TYPE - CABLE .085

Series : SMP-MAX

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-6	GHz
VSWR	1.25* + 0,0000	x F(GHz) Maxi
Insertion loss	0.15*	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (NA)	- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	750	Veff mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention	
Axial force – Mating end	NA N mini
Axial force – Opposite end	NA N mini
Torque	NA N.cm mini

Recommended torque	
Mating	NA N.cm
Panel nut	100 N.cm
Clamp nut	NA N.cm
A/F clamp nut	0,0000 mm

Mating life	100 Cycles mini
Weight	3,0450 g

ENVIRONMENTAL

Operating temperature	-55/+165 °C
Hermetic seal	NA Atm.cm3/s
Panel leakage	NA

SPECIFICATION**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	2,00	0,00	0,00	0,00	1,00	0,00

Assembly instruction :

Recommended cable(s)

RG 405

KS 1

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	155 N mini
- torque	NA N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.740.020	SOLDERING MOUNTING	
R282.744.430	POSITIONER FOR SOLDERING SMP-MAX MALE	

OTHER CHARACTERISTICS

* VSWR: up to 3GHz; 3-6GHz, 1.35max

*Slide type connector+Bullet+Snap type receptacle

Radial working angle: 3°min

Axial working range: 2mm

Issue : 1107 A

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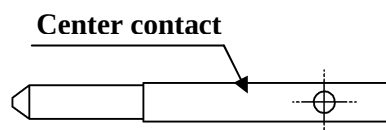
SCREW ON STRAIGHT MALE JACK SOLDER TYPE

SLIDE TYPE - CABLE .085

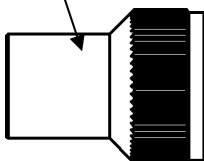
R222.M20.700

Series : SMP-MAX

COMPONENTS



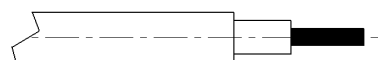
Solder body



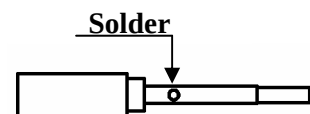
STRIPPING DIMENSIONS

**1**

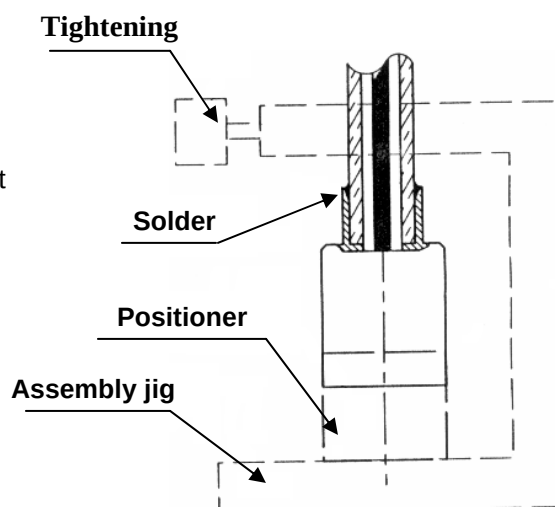
Cable stripping.

**2**

Tin centre contact solder pot.
Solder centre contact on cable inner conductor.
Clean solder.

**3**

Put positioner R282.744.430 on the soldering jig.
Introduce cable into the connector body until contact with the body shoulder.
Place the sub assembly into the assembly jig R282 740 020 (or equivalent).
Put 3 rings of solder around the cable and solder.
Let the assembly cool down before removing it from the jig.
Clean solder.



Issue : 1107 A

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RADIAL 

Mouser Electronics

Authorized Distributor

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[R222M20700W](#)