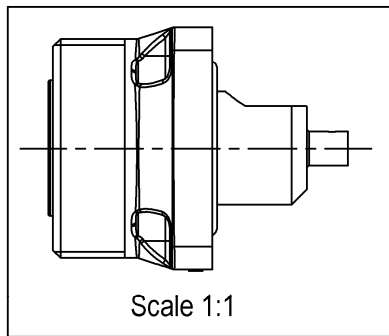
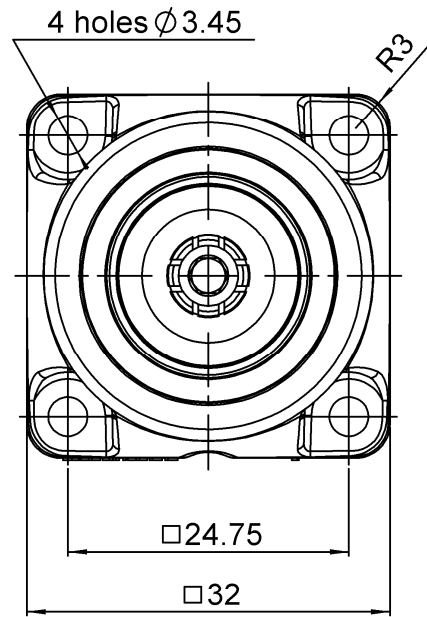
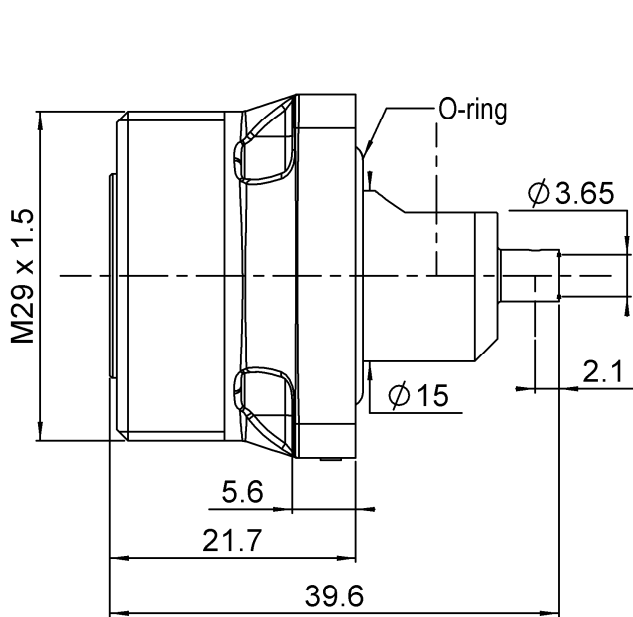


COMPOSITE SQUARE FLANGE JACK RECEPTACLE

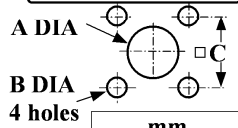
R187.403.010

PANEL SEAL - SOLDER TYPE CABLE .141

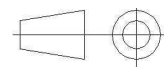
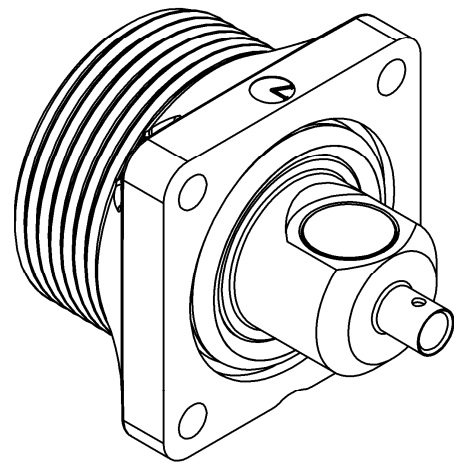
Series : 7/16
COMPOSITE



PANEL CUT OUT



	mm	
	Maxi	mini
A	16.2	16
B	3.7	3.6
C	24.8	24.7



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
BODY	-	-
CENTER CONTACT	BRONZE	SILVER 5 OVER COPPER 0.5
OUTER CONTACT	BRASS	BBR 0.5 OVER SILVER 3
INSULATOR	PTFE	-
GASKET	SILICONE RUBBER	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 1211 B

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COMPOSITE SQUARE FLANGE JACK RECEPTACLE

R187.403.010

PANEL SEAL - SOLDER TYPE CABLE .141

Series : 7/16
COMPOSITE

PACKAGING

Standard	Unit	Other
40	'W' option	Contact us

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-7.5	GHz
VSWR	*1.06 + 0,0000	x F(GHz) Maxi
Insertion loss	0.05	\sqrt{F} (GHz) dB Maxi
RF leakage	- (NA)	- F(GHz)) dB Maxi
Voltage rating	1000	Veff Maxi
Dielectric withstanding voltage	1500	Veff mini
Insulation resistance	10000	M Ω mini

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	4,50	0,00	0,00	0,00	0,00	0,00

Assembly instruction: **NA**

Recommended cable(s)

RG 402
KS 2
BELN 1673A

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 **500** N mini
- torque **NA** N.cm

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	200	N mini
Axial force – Opposite end	100***	N mini
Torque	25	N.cm mini

TOOLING

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

Part Number	Description	Hexagon
.	.	.
R282.053.000	STRIPPING TOOL	
R282.066.010	POINTER GAUGE	
R282.740.030	SOLDERING MOUNTING	

Mating life	500	Cycles mini
Weight	18,6100	g

OTHER CHARACTERISTICS

*VSWR:1.06 between DC to 3 GHz
**VSWR:1.1 between 3 to 7 GHz
PIM3/-125dBm under 2 carriers of +43dBm
***After soldering
Flange fasteners recommended torque: 0.8-1.2 N.m

ENVIRONMENTAL

Operating temperature	-40/+85	$^{\circ}$ C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	IP67	

Issue : 1211 B

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COMPOSITE SQUARE FLANGE JACK RECEPTACLE

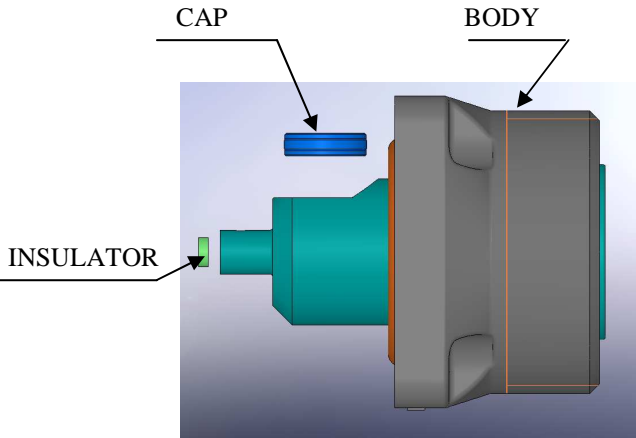
R187.403.010

PANEL SEAL - SOLDER TYPE CABLE .141

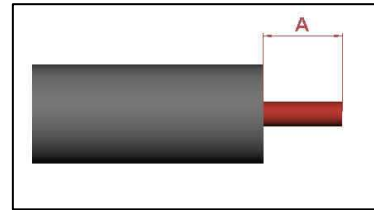
Series : 7/16
COMPOSITE

COMPONENTS

We recommend a thermal preconditioning cable



STRIPPING



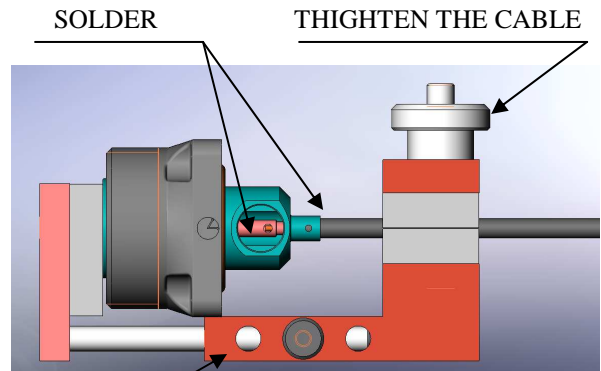
- 1** Strip the cable.
Stripping tool R282.053.000
Positioner R282.066.010

INSULATOR

- 2** Slide the insulator onto the cable inner conductor.



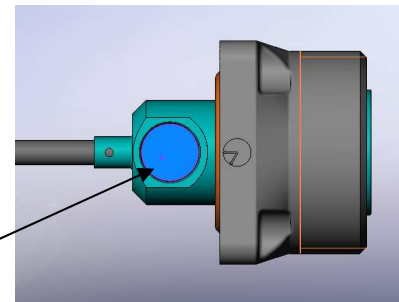
- 3** Introduce the cable into the connector body until it stops.
Place the sub assembly into the assembly jig R282.740.030 (or equivalent) and tighten it.
Solder the body onto the cable.
Let the assembly cool down before removing it from the jig.



ASSEMBLY JIG

- 4** Mount the cap on the connector's body.

PRESS THE CAP



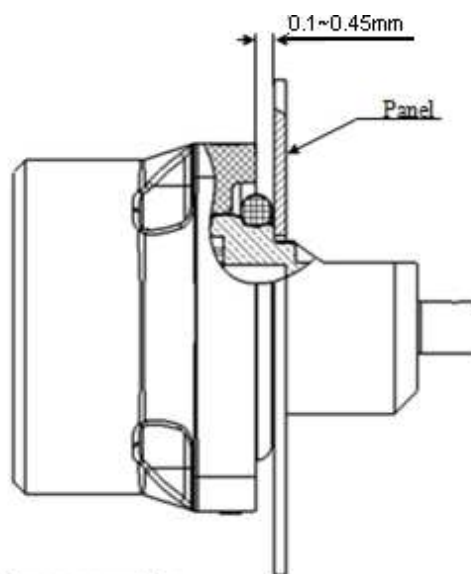
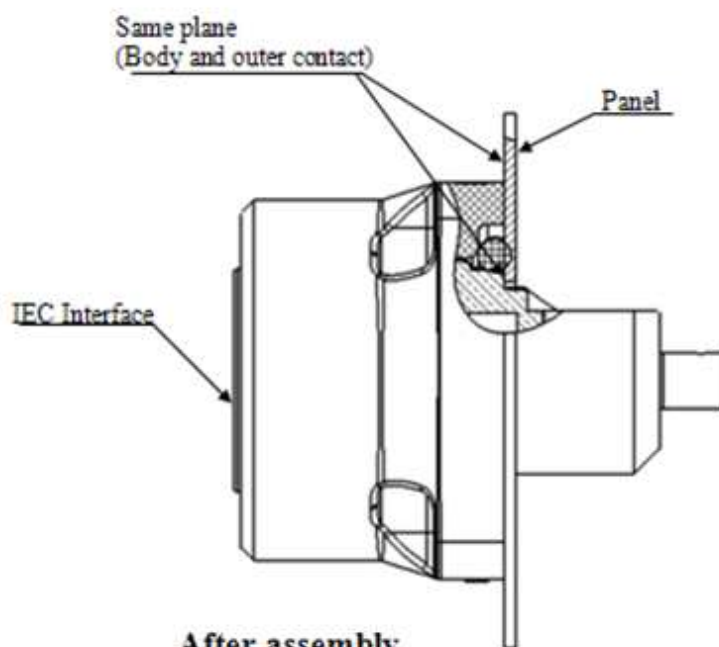
Issue : 1211 B

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COMPOSITE SQUARE FLANGE JACK RECEPTACLE**R187.403.010****PANEL SEAL - SOLDER TYPE CABLE .141**Series : 7/16
COMPOSITE**Assembly instruction**

Prior to the installation, the outer contact is slightly protruded from the rear flange (0.1~0.45mm). During the installation, the outer contact is pushed inside the composite housing. In its final position, the outer contact is aligned with the rear flange, and in contact with the panel. During mating, the outer contact is pressed against the panel, reducing significantly the IM3 generation.

**Before assembly****After assembly****Issue : 1211 B**

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