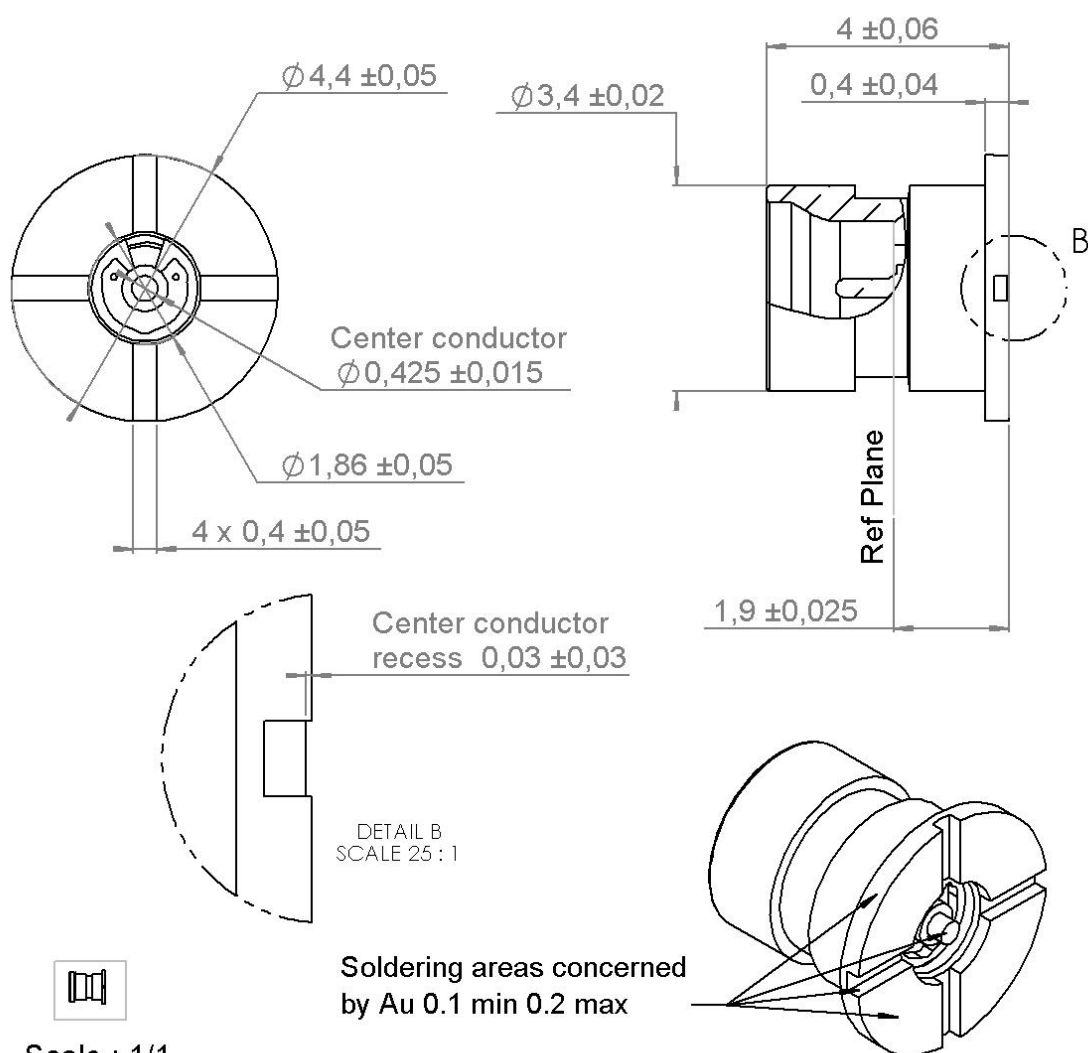


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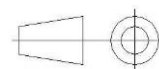
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All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
Body	BERYLLIUM COPPER	N2PGR
Center contact	BERYLLIUM COPPER	N2PGR
Outer contact		
Insulator	PEEK	
Gasket		
Others parts		
-	-	-
-	-	-

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PACKAGING

Standard	Unit	Other
100	-	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-32	GHz
VSWR	* + 0,000	x F(GHz) Maxi
Insertion loss	0.02+0.12	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (60	- F(GHz)) dB Maxi
Voltage rating	125	Vrms Maxi
Dielectric withstanding voltage	250	Vrms mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	6.7	N mini
Axial force – Opposite end	6.7	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm
Mating life	10	Cycles Maxi
Weight	0,220	g Maxi

ENVIRONMENTAL

Operating temperature	-65/+125	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

RAD-DET-CONN-029
RAD-GEN-CONN-003

OTHER CHARACTERISTICS

Assembly instruction:

Others:

- * VSWR 1.15 Up to 10 GHz
- * VSWR 1.25 max 10 GHz to 32 GHz
- Coaxial transmission line only

CUSTOMER'S APPROVAL

Department or
company's stamp

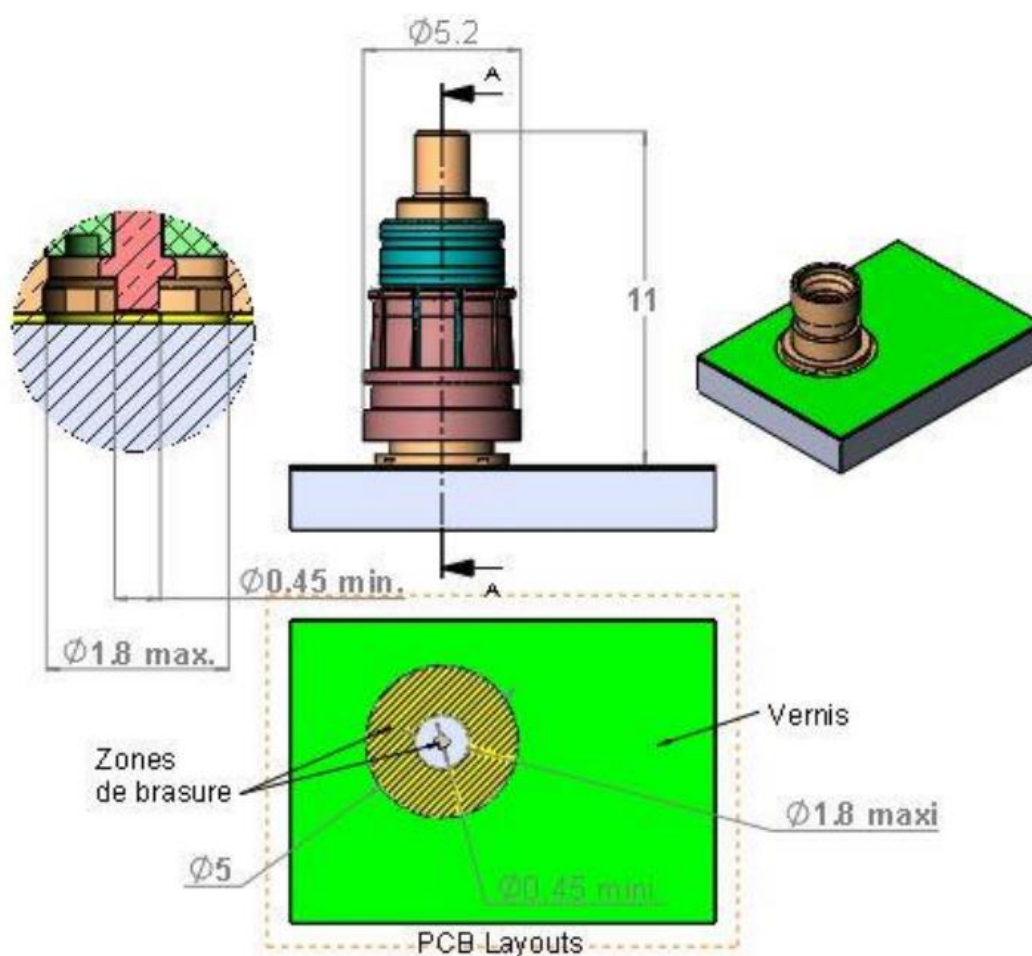
Name :

Date :

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RADIAL S.A. BEFORE :

The diameter (5.2) is the overall diameter of the R231L80000
(11) is the distance when matted with R231L80300

Others dimensions only for information



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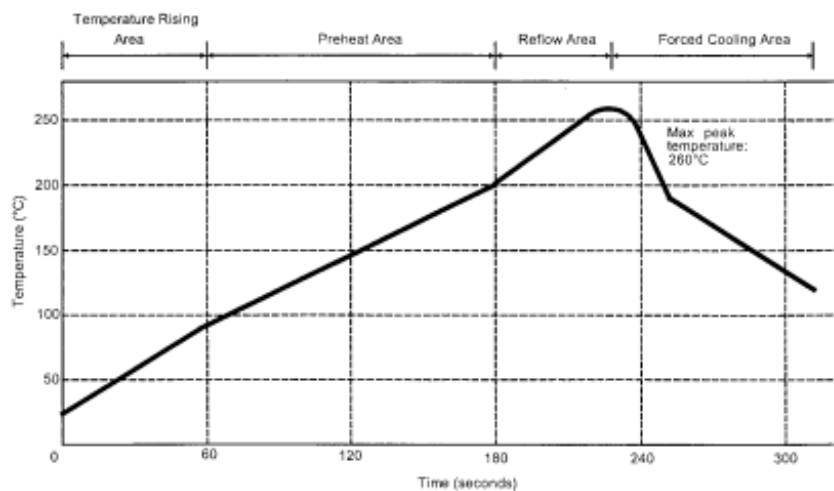
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RECOMMANDATION

SOLDER PROCEDURE

1. Deposit solder paste 'SnAg4Cu0.5' on mounting zone by screen printing application.
We recommend a low residue flux.
We advise a thickness of 150 µm. Verify that the edges of the zone are clean.
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type. A video camera is recommended for positioning of the component.
Adhesive agents must not be used on the receptacle.
3. This process of soldering has been tested with convection oven. Below please find the typical profile to use.

TEMPERATURE PROFILE



Parameter	Value	Unit
Temperature rising Area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling Area	-1 to -4	°C/sec
Max dwell time above 100°C	420	sec

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