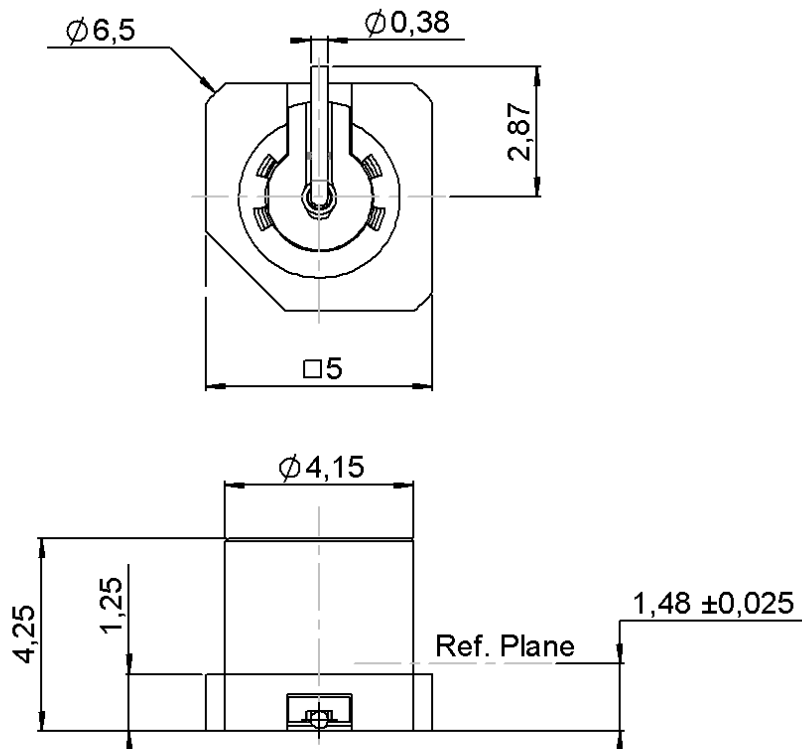


NON MAGNETIC STRAIGHT MALE RECEPTACLE SMT

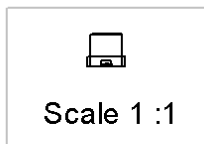
R222.941.324

LIMITED DETENT -TAPE AND REEL BY 500

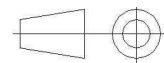
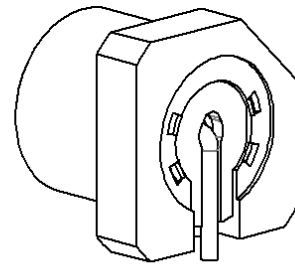
Series : SMP-COM



Production according to procedure PAQP-C-017



Coaxial connector will not go over 0.5ppm at 10mm under a magnetic field of 1.5T



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (μm)
BODY	NON MAGNETIC BRONZE	GOLD 1.3 OVER COPPER 2.5
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.3 OVER COPPER 2.5
OUTER CONTACT	-	-
INSULATOR	PEEK	-
GASKET	-	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 1121 A

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

RADIAL 

NON MAGNETIC STRAIGHT MALE RECEPTACLE SMT**R222.941.324****LIMITED DETENT -TAPE AND REEL BY 500**

Series : SMP-COM

PACKAGING

Standard	Unit	Other
500		Contact us

SPECIFICATION**ELECTRICAL CHARACTERISTICS**

Impedance	50	Ω
Frequency	0-12.4*	GHz
VSWR	1.1 ** + 0,0000	x F(GHz) Maxi
Insertion loss	0.12	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	NA	- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	500	Veff mini
Insulation resistance	5000	M Ω mini

ENVIRONMENTAL

Operating temperature	-55/+125	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction

Others :

*ROS 1.35 at 12.4GHz

**ROS at 6GHz

Maximum DC current : 7 Amps

MECHANICAL CHARACTERISTICS

Center contact retention	
Axial force – Mating end	6.8 N mini
Axial force – Opposite end	6.8 N mini
Torque	NA N.cm mini
Recommended torque	
Mating	NA N.cm
Panel nut	NA N.cm
Mating life	100 Cycles mini
Weight	0,3310 g

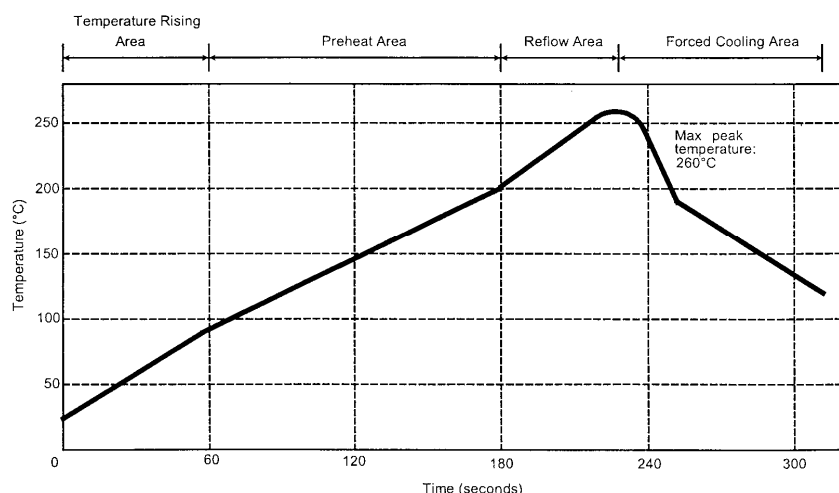
Issue : 1121 A

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NON MAGNETIC STRAIGHT MALE RECEPTACLE SMT**R222.941.324****LIMITED DETENT -TAPE AND REEL BY 500****Series : SMP-COM****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 micromm (5.850 microinch). 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.
4. The cleaning of printed circuit boards is not obliged .
5. Verification of solder joints and position of the component by visual inspection.

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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R222.941.324

Series : **SMP-COM**

Technical drawing of a PCB layout showing dimensions and material specifications. The drawing includes a central circular feature with a radius of R1. Dimensions are provided in millimeters (mm). The layout is defined by a square boundary with a side length of 5.5 mm. The central feature has a diameter of 2.75 mm. The distance from the center of the circle to the top edge is 1.36 mm, and to the bottom edge is 1.05 mm. The distance from the center to the left edge is 0.75 mm, and to the right edge is 0.85 mm. The distance from the center to the top-left corner is 2.7 mm. The distance from the center to the bottom-left corner is 1.5 mm. The distance from the center to the bottom-right corner is 2.5 mm. The distance from the center to the top-right corner is 4.5 mm. The drawing also includes a legend with two entries: "Lands for solder paste" (indicated by a cross-hatched pattern) and "Ground + Varnish" (indicated by a diagonal hatched pattern).

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

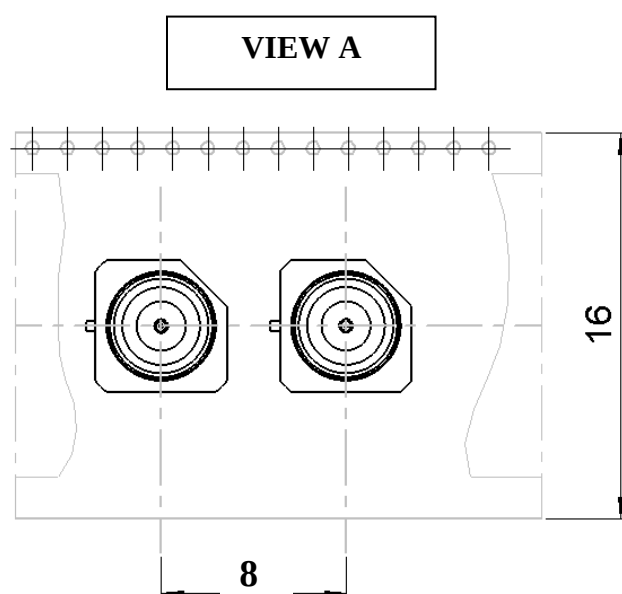
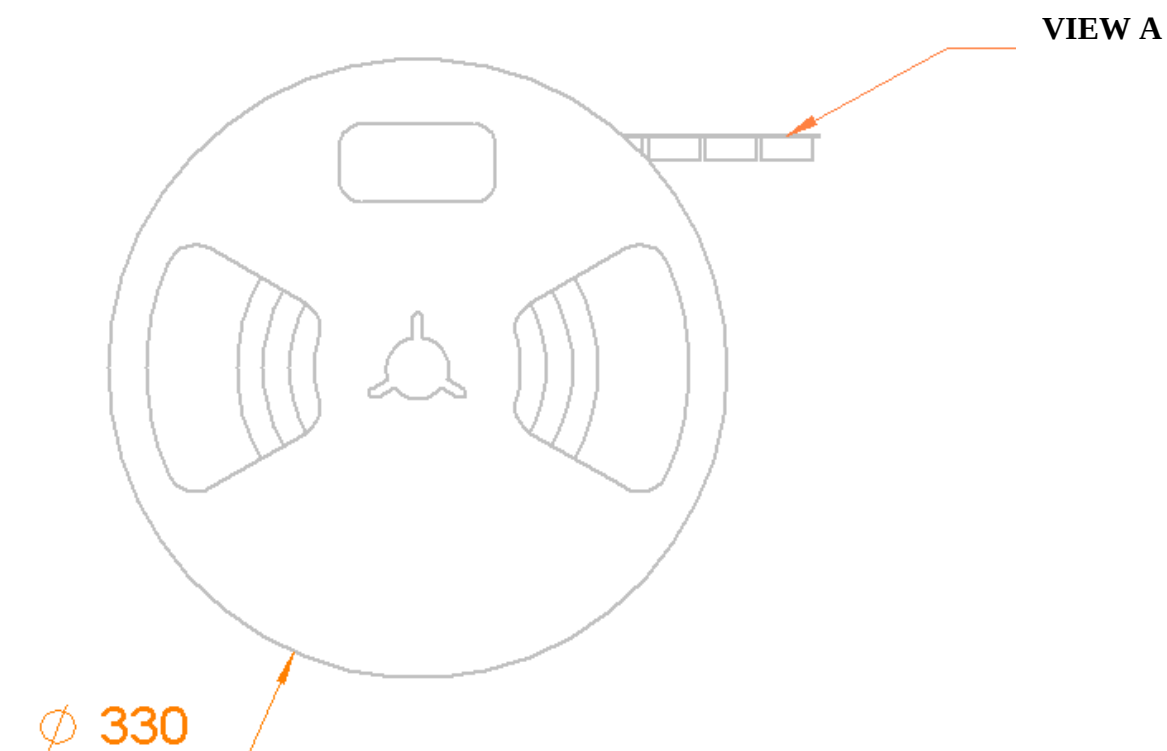
RADIAL 

NON MAGNETIC STRAIGHT MALE RECEPTACLE SMT

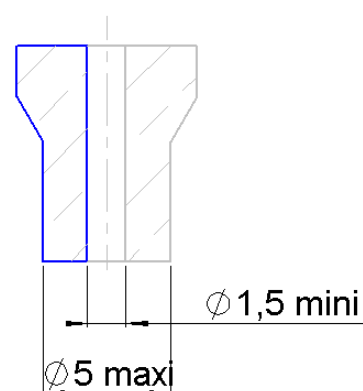
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Series : SMP-COM



AIR SUNCTION



Issue : 1121 **A**

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