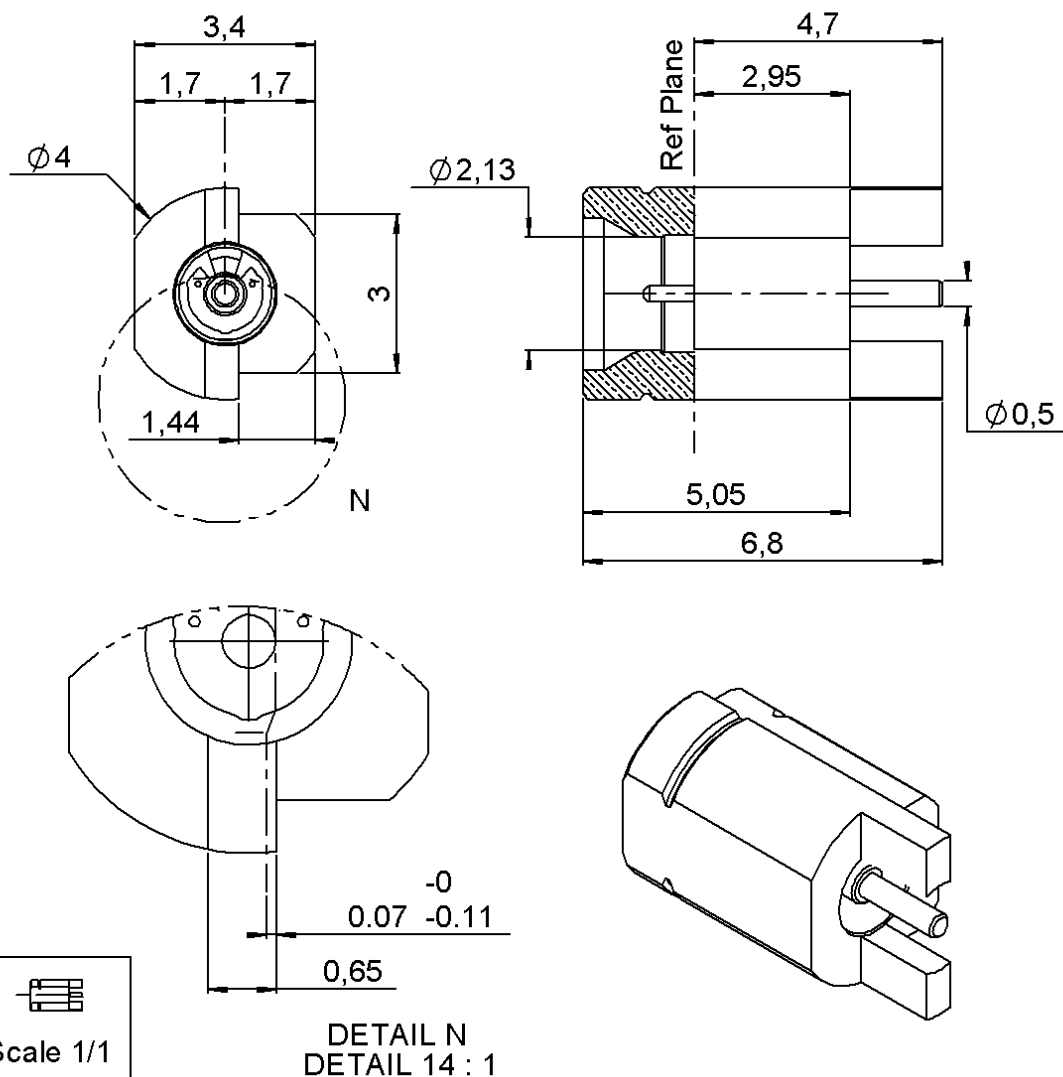


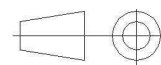
STRAIGHT MALE RECEPTACLE SMT
FULL DETENT-TAPE AND REEL BY 500

R201.423.110

Series : SMPM



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
BODY	BERYLLIUM COPPER	GOLD 0.5 OVER NICKEL 2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 0.5 OVER NICKEL 2
OUTER CONTACT		
INSULATOR	PEEK	
GASKET		
OTHERS PARTS		
-	-	-
-	-	-

Issue : 1349 B

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

RADIAL

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PACKAGING

Standard	Unit	Other
500	'W' option	Contact us

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-40	GHz
VSWR	1.3* + 0,0000	x F(GHz) Maxi
Insertion loss	.12**	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (TBD	- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	500	Veff mini
Insulation resistance	5000	M Ω mini

ENVIRONMENTAL

Operating temperature	-65/+165	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction **NA**

Others :

*VSWR: 1.10(DC~26.5GHz);1.3(26.5~40GHz)

**Coaxial transmission line only

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	100 Cycles mini
Weight	0,3500 g

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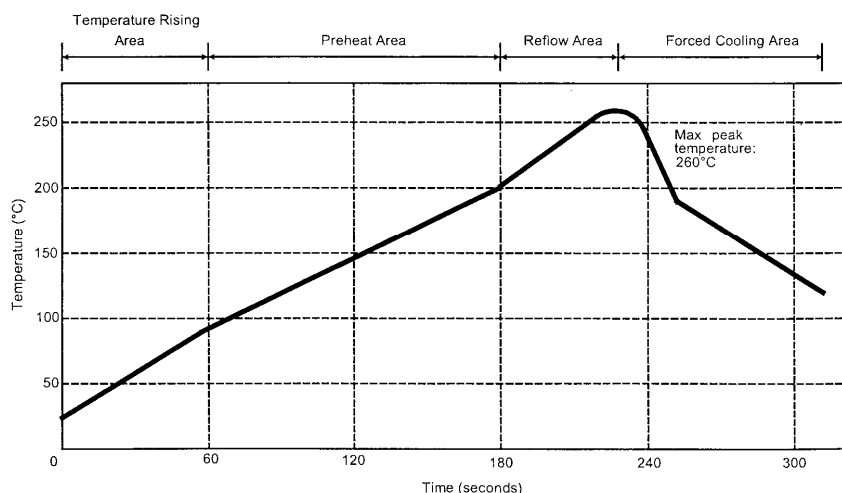
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SOLDER PROCEDURE

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.
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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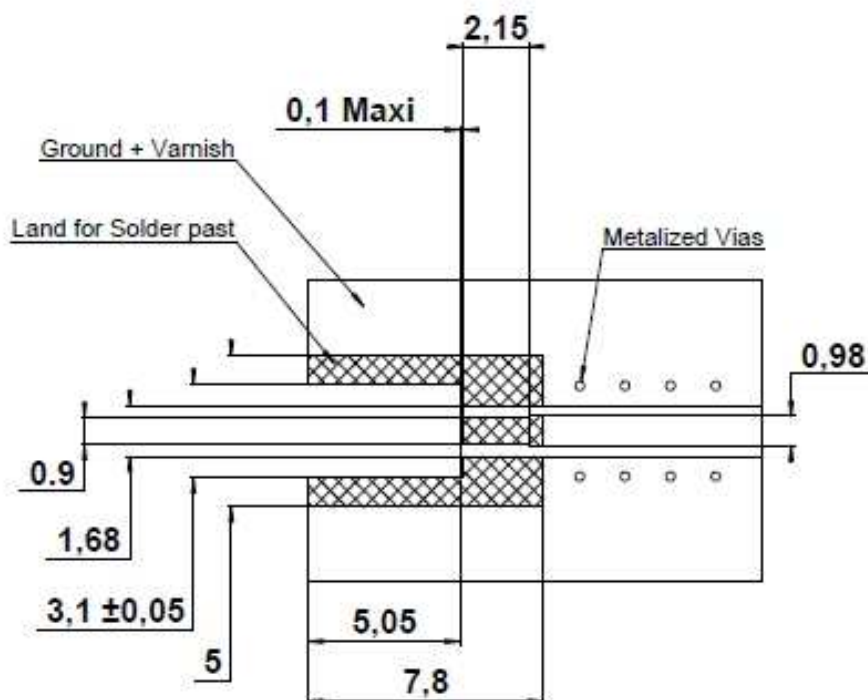
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Series : SMPM

Recommended PCB Mount

Dimensions applicable for Roger RO4350 PCB material
thickness 0.508 mm , with ground layer on bottom .
Applicable Frequency - DC to 12Ghz

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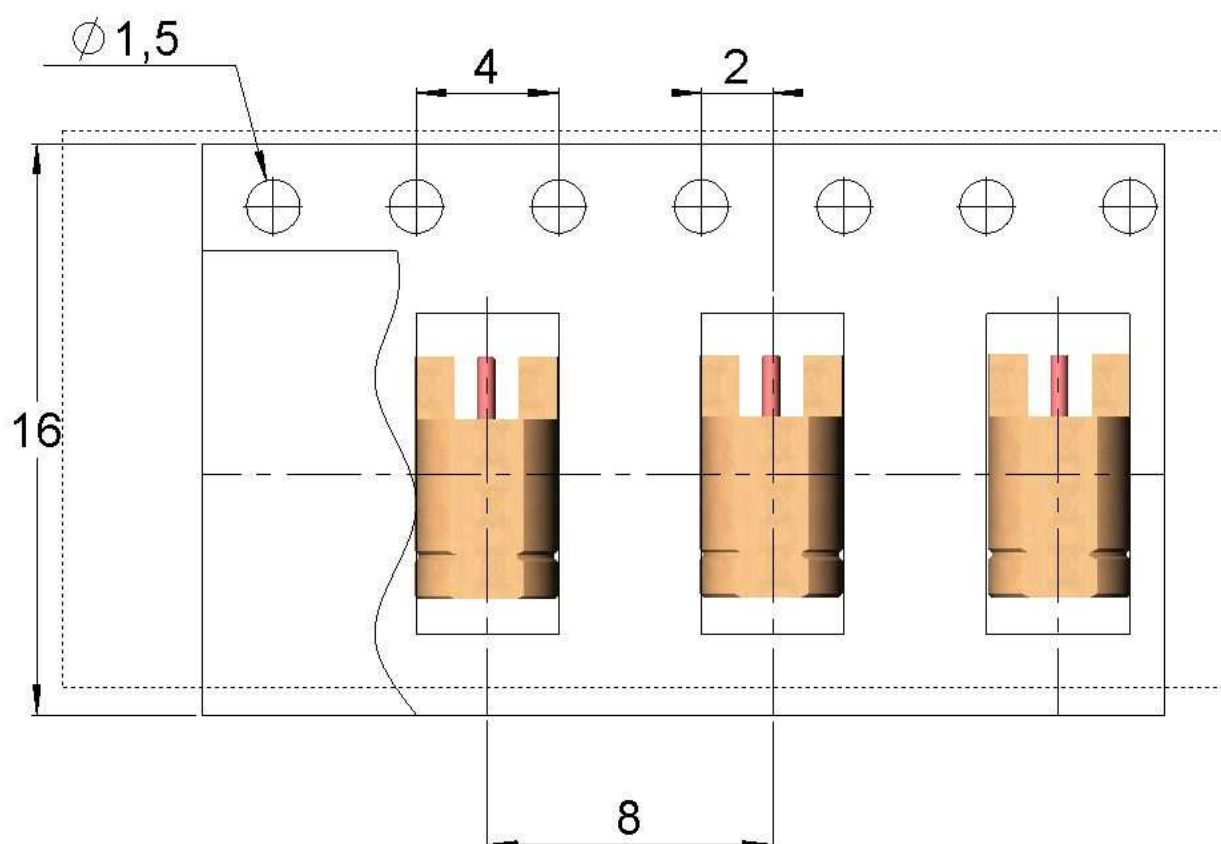
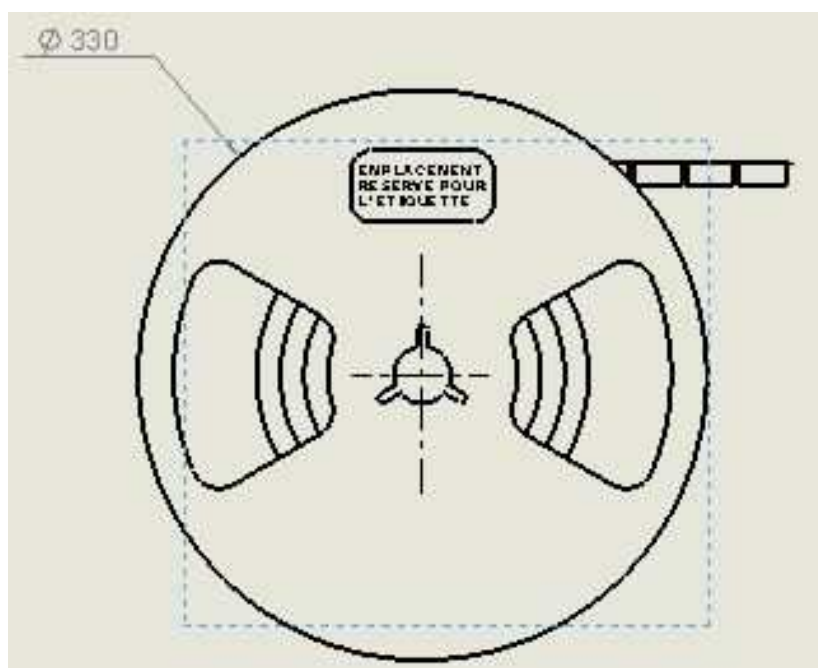
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