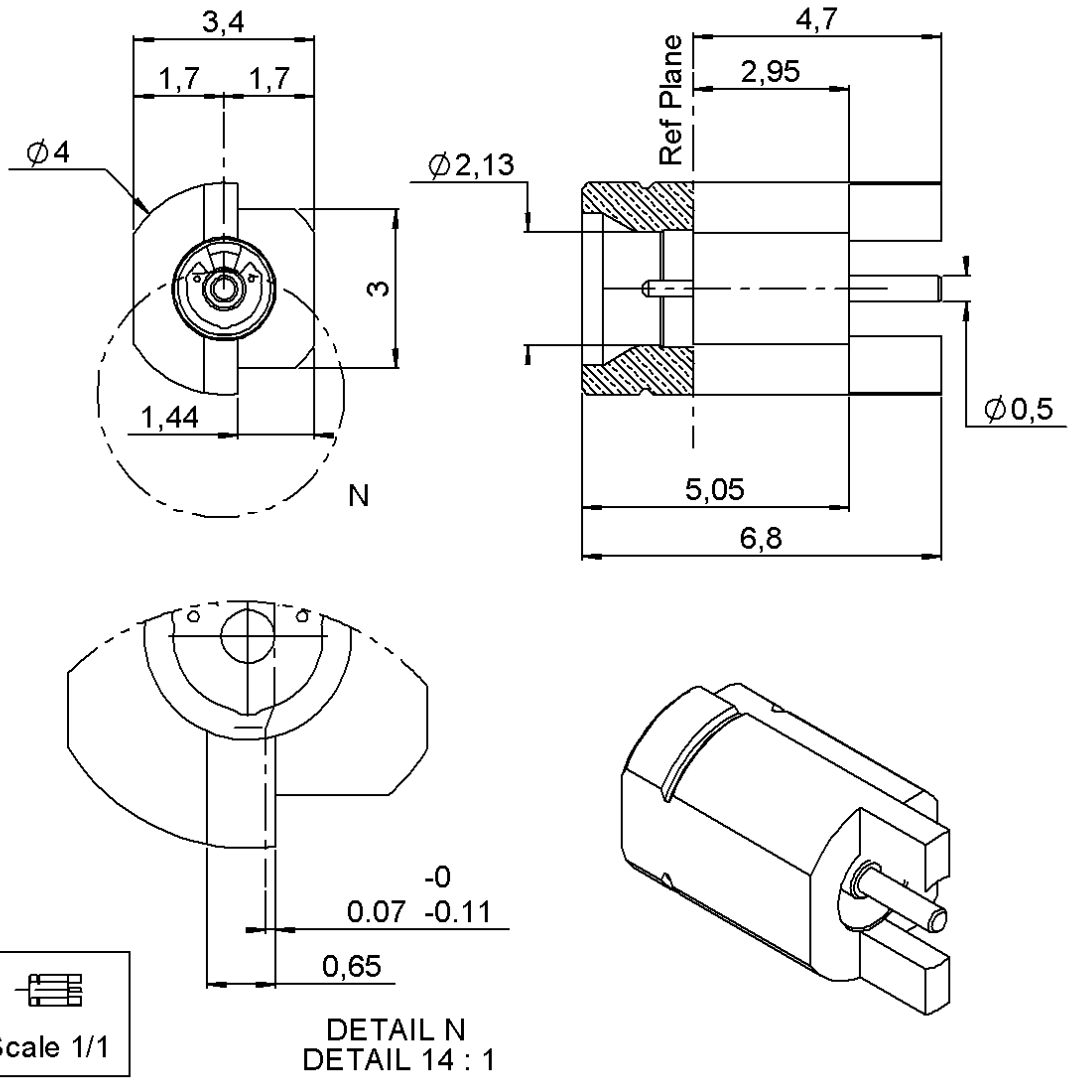
STRAIGHT MALE RECEPTACLE SMT

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

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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****	√F(GHz) dB Maxi
RF leakage	- (	**TBD**	- F(GHz)) dB Maxi
Voltage rating		**335**	Veff Maxi
Dielectric withstanding voltage		**500**	Veff mini
Insulation resistance		**5000**	MΩ mini

ENVIRONMENTAL

Operating temperature	**-65/+165**	° 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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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.

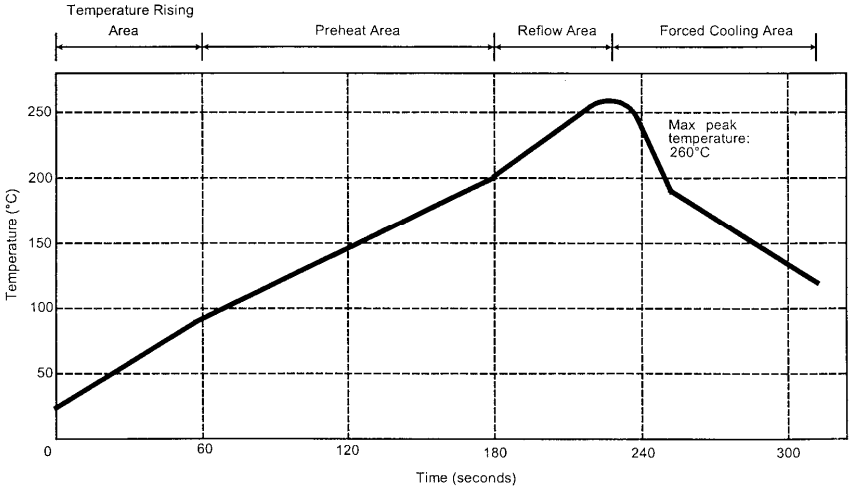
2. **Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type. A video camera is recommended for positioning of the component . Adhesive agents must not be used on the receptacle.**

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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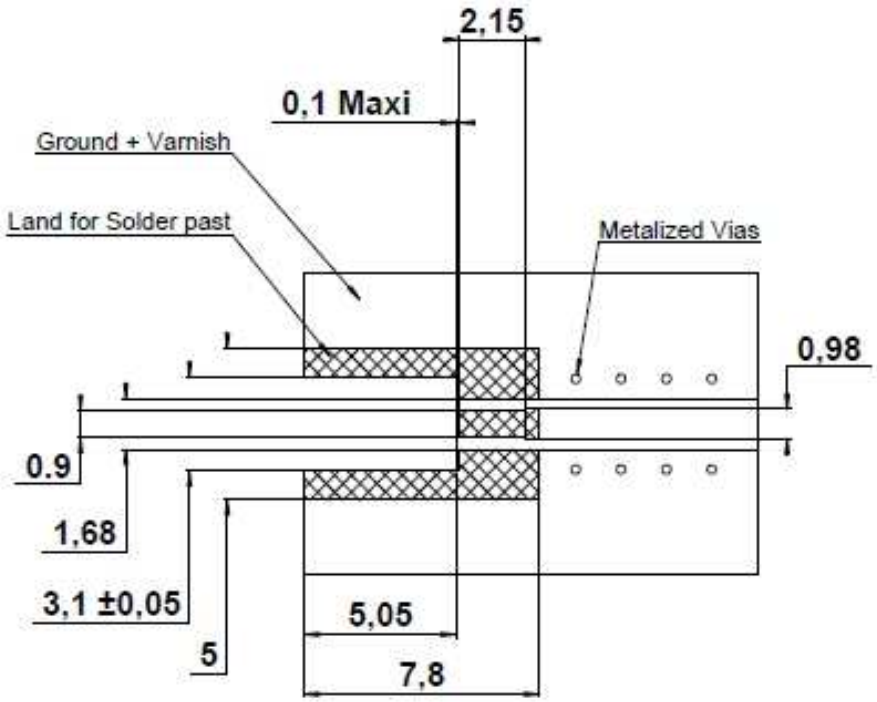
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Recommended PCB Mount



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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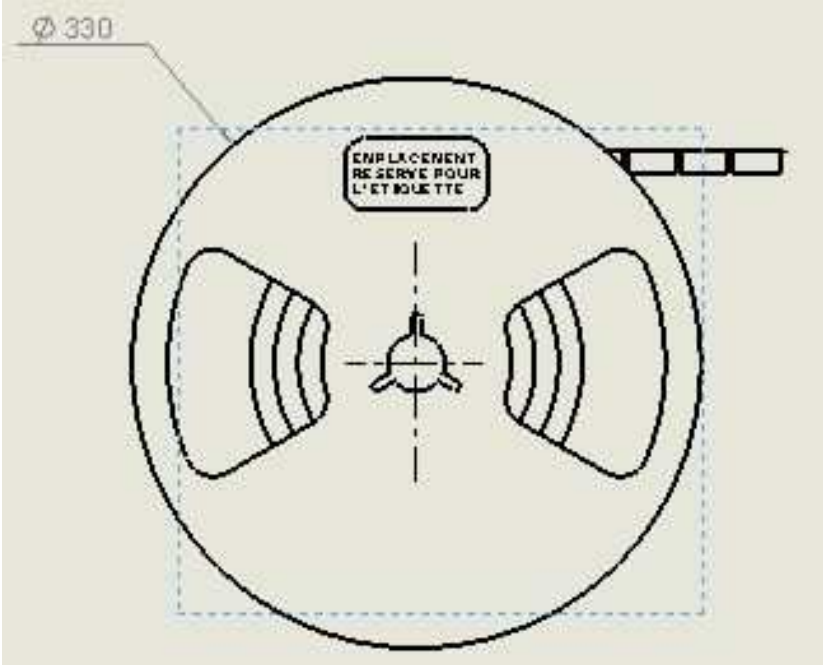
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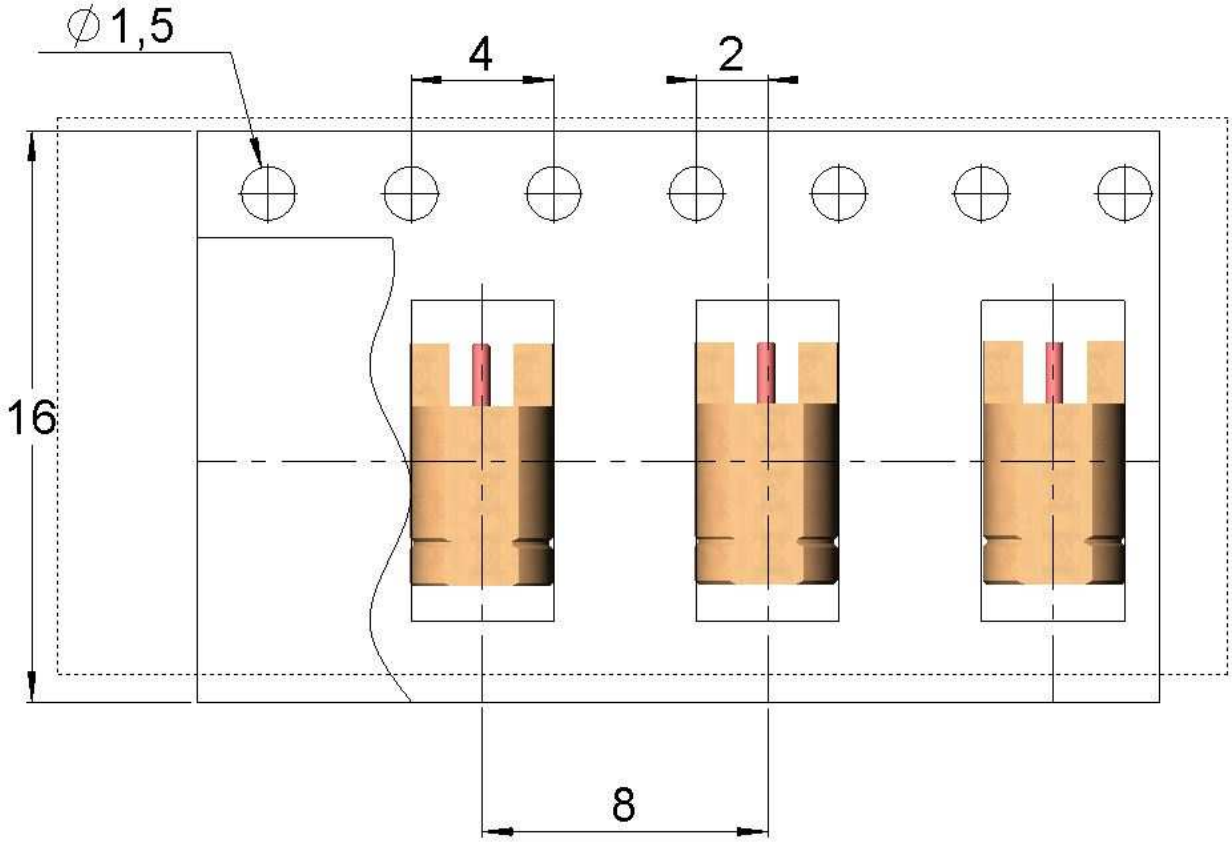
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