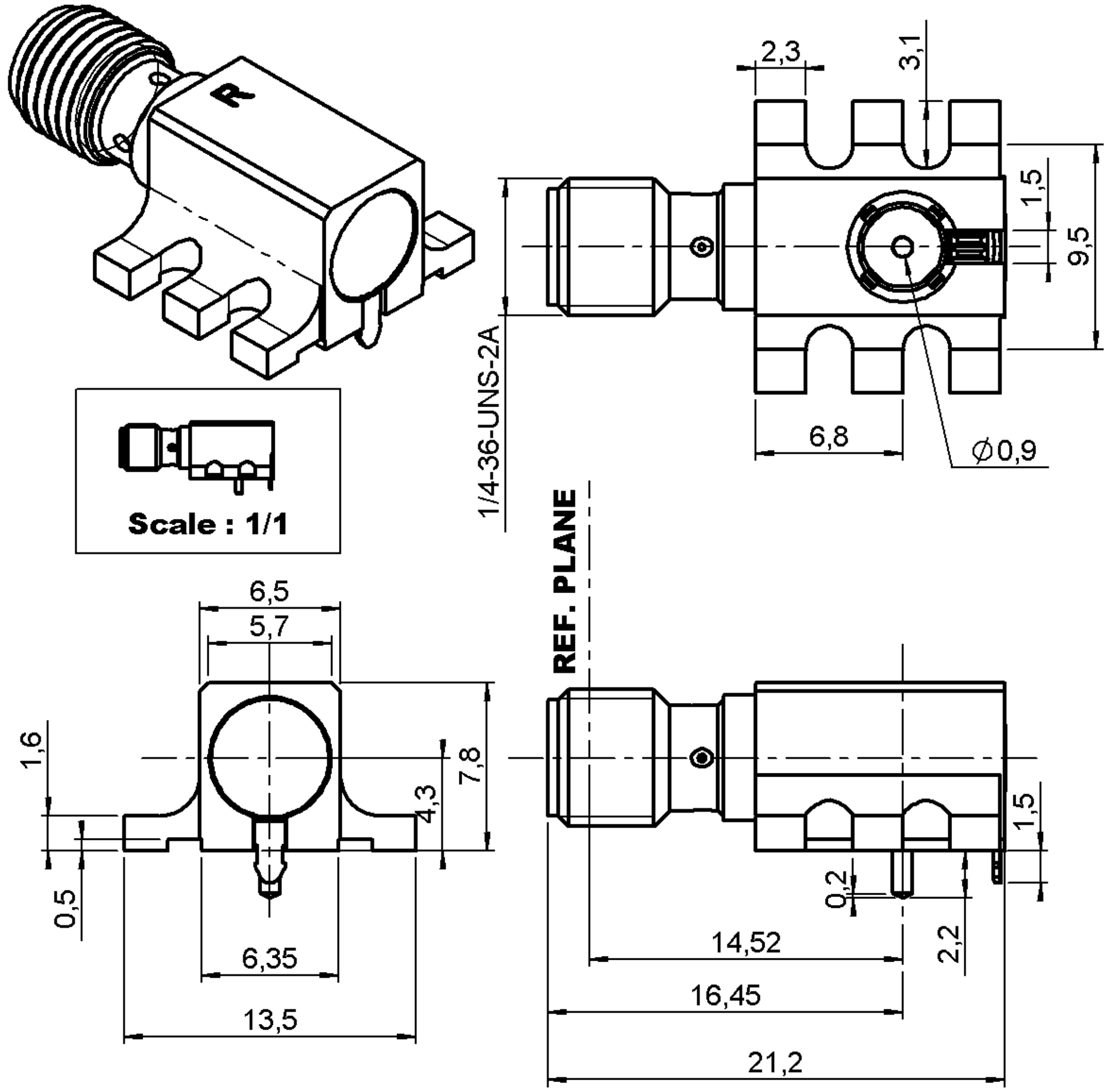
RIGHT ANGLE SMT RECEPTACLE

REEL PACKAGING PER 250

R124.682.820

Series : **SMA-COM**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	**BRASS**	**GBR 2**
CENTER CONTACT	**BERYLLIUM COPPER**	**GOLD 1.3 OVER COPPER 2.5**
OUTER CONTACT	-	-
INSULATOR	**PTFE**	
GASKET	-	
OTHERS PARTS	**BRASS**	**GOLD 0.2 OVER COPPER 2**
-	-	-
-	-	-

Issue : 0738 D

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PACKAGING

Standard	Unit	Other
250	**‘W’ option**	**Contact us**

SPECIFICATION

1301-RNT 403 054 / 003 Rev. D

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-18**	GHz
VSWR	***** +	**0,0000**	x F(GHz) Maxi
Insertion loss		**0.07**	√F(GHz) dB Maxi
RF leakage	**-** (	**90**	- F(GHz)) dB mini
Voltage rating		**350**	Veff Maxi
Dielectric withstanding voltage		**1000**	Veff mini
Insulation resistance		**5000**	MΩ mini

ENVIRONMENTAL

Operating temperature	**-65/+165**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

OTHERS CHARACTERISTICS

Assembly instruction

Others :
Coaxial transmission line only
1.15 to 2GHz

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**27**	N mini
Axial force – Opposite end	**27**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**60**	N.cm
Panel nut	**NA**	N.cm
Mating life	**100**	Cycles mini
Weight	**5,5610**	g

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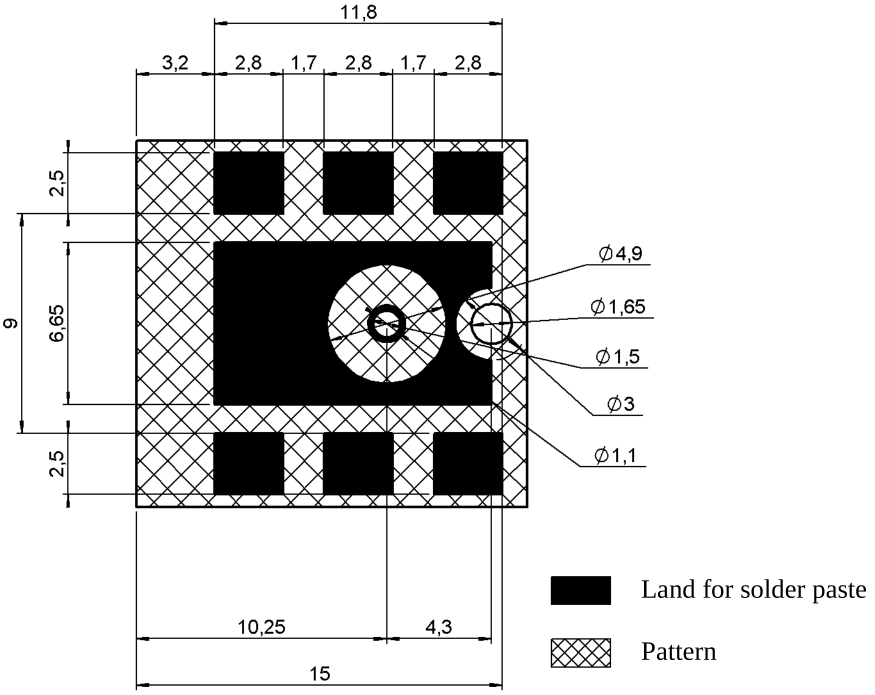
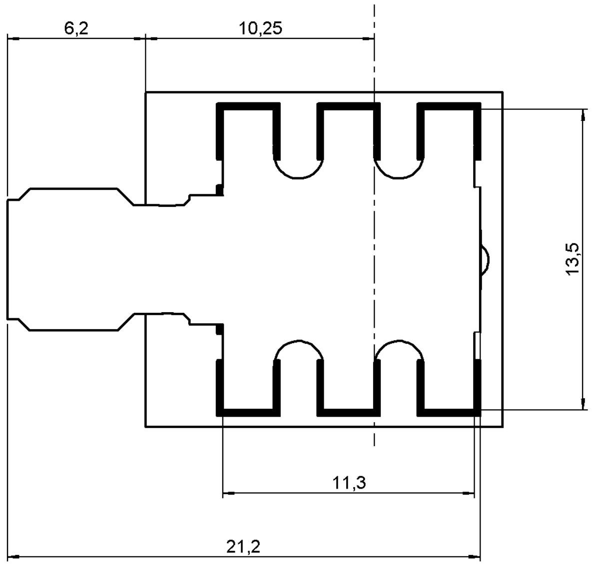
SMA SERIES - INFORMATION

Coplanar line : pattern and signal are on the same side . Thickness of PCB : .063(1.6mm)
The material of PCB is the epoxy resin of glass fabrics bacs . (Er = 4.8) . The solder resist should be printed exept for the land pattern on the PCB .



SHADOW OF SMA RECEPTACLE FOR VIDEO CAMERA



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

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SOLDER PROCEDURE

1. Deposit solder paste ‘SN62RP11AGS90’ 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.

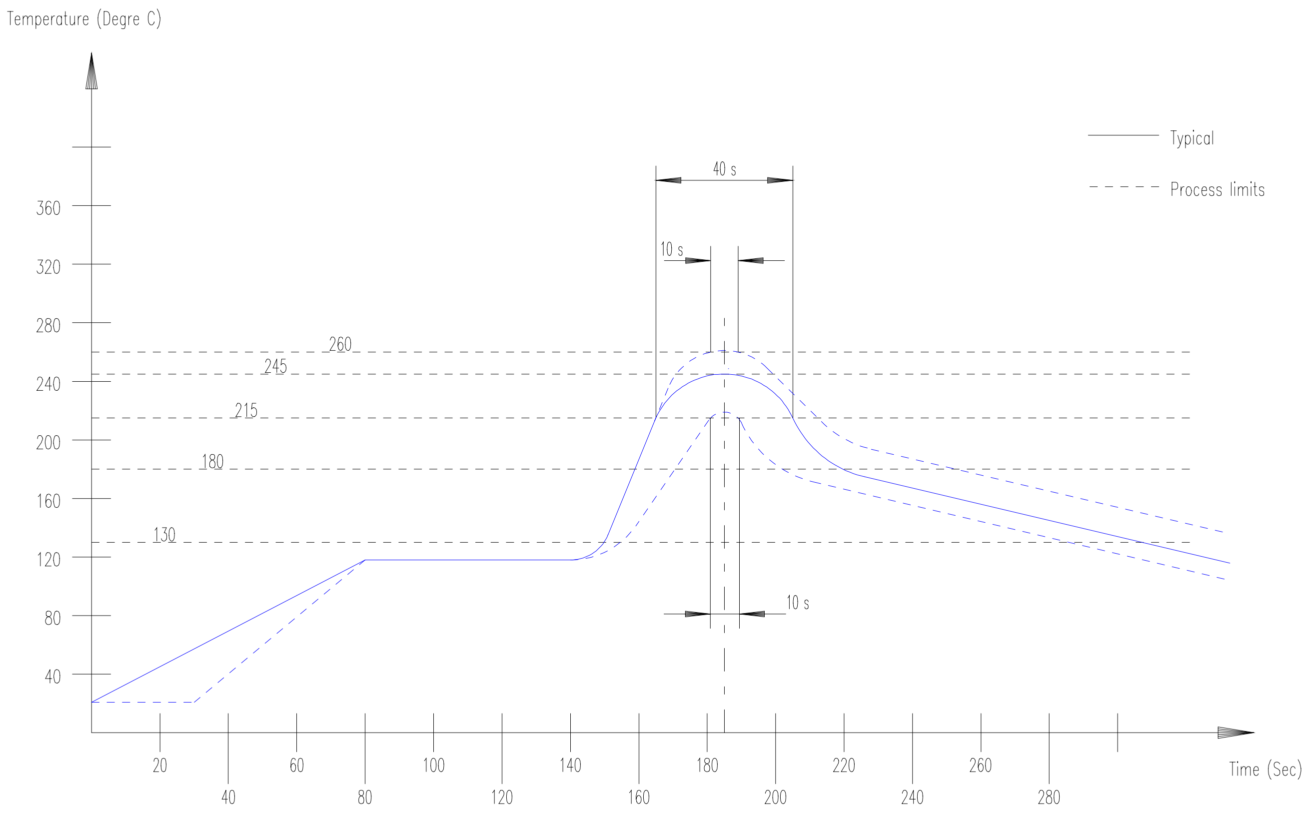
2. Placement of the receptacle on the mounting zone with an automatic machine of ‘pick and place’ type. Video camera is prefered to check the positioning of the compnent. Adhesive agents are forbidden on the receptacle.

3. Soldering by infra-red reflow.

4. Cleaning of printed circuit boards.

5. Checking of solder joints and position of the component by visual inspection.

TEMPERATURE PROFIL



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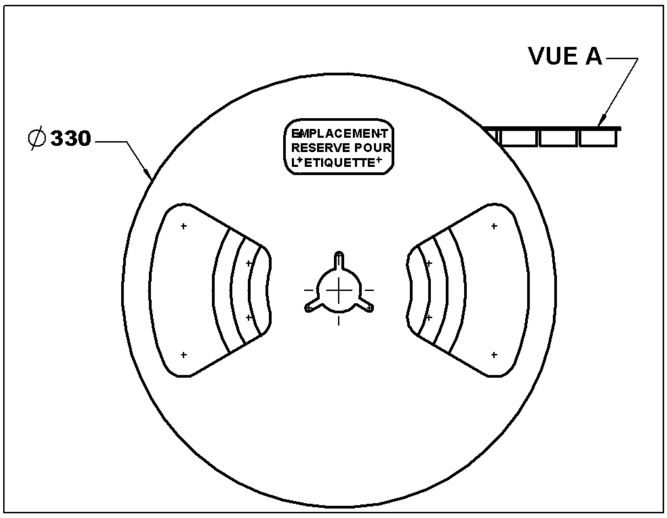
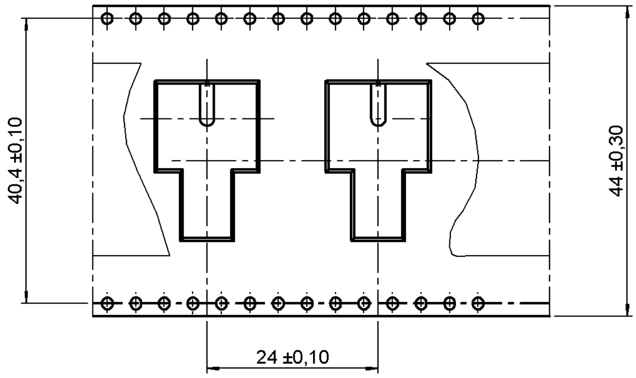


bobine Ech :0.7



Vue A (ech : 1.5)
sans connecteurs