REEL OF 500 SMT SWITCH RECEPTACLE

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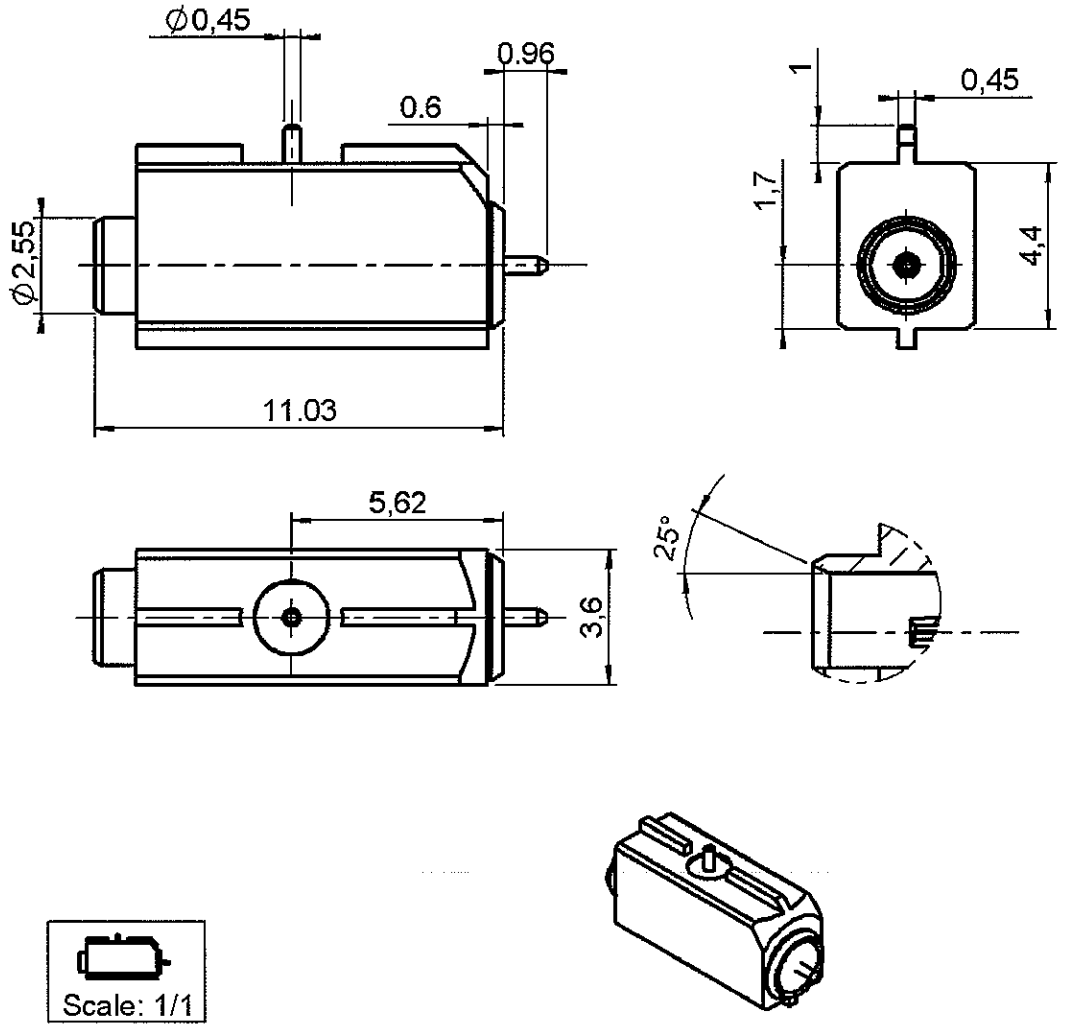
R199.005.870

Series : **MC-CARD**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	**BRASS**	**GOLD 0.2 OVER NICKEL 2**
CENTER CONTACT	**BERYLLIUM COPPER**	**GOLD 0.8 OVER NICKEL 2**
OUTER CONTACT	-	-
INSULATOR	**POLYETHER ETHERCETONE 30% GF**	
GASKET		
OTHERS PARTS	**STAINLESS STEEL**	
-	-	-
-	-	-

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PACKAGING

Standard	Unit	Other
500	**'W' option**	**Contact us**

SPECIFICATION

*** 1.4 max at 2.5 GHz. 00**

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-3**	GHz
VSWR	**1.4*** +	**0.000**	x F(GHz) Maxi
Insertion loss		**0.3****	√F(GHz) dB Maxi
RF leakage	- (		- F(GHz)) dB Maxi
Voltage rating		**100**	Veff Maxi
Dielectric withstanding voltage		**250**	Veff mini
Insulation resistance		**5000**	MΩ mini

ENVIRONMENTAL

Operating temperature	**-40/+110**	° C
Hermetic seal		Atm.cm3/s
Panel leakage		

OTHERS CHARACTERISTICS

Assembly instruction **NA**

Others :
between 2 ways: -22 dBmin at 2.5GHz

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end		N mini
Axial force – Opposite end		N mini
Torque		N.cm mini
Recommended torque		
Mating		N.cm
Panel nut		N.cm
Mating life	**5000**	Cycles mini
Weight	**1.000**	g

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SOLDER PROCEDURE

1. Deposition of solder paste 'Sn Ag4 Cu0.5' on mounting zone by screen printing application. We recommend a low residue flux.
   We advise a thickness of 150 microns (5.850 microinch). Verify that the edges of the zone are clean.

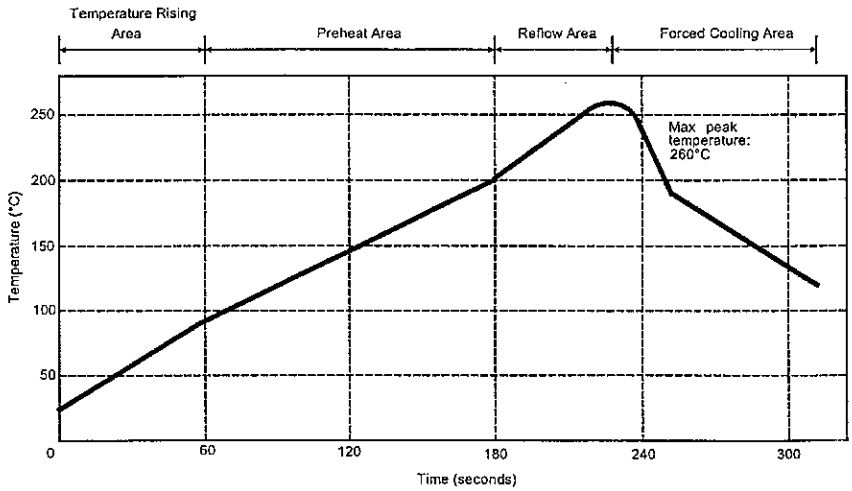
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type.
   Video camera is recommended for the positioning of the component. Adhesive agents must not be used on the receptacle.

3. Soldering by infra-red reflow.
   Below, please find the typical profile to use.

4. Cleaning of printed circuit boards.

5. Checking 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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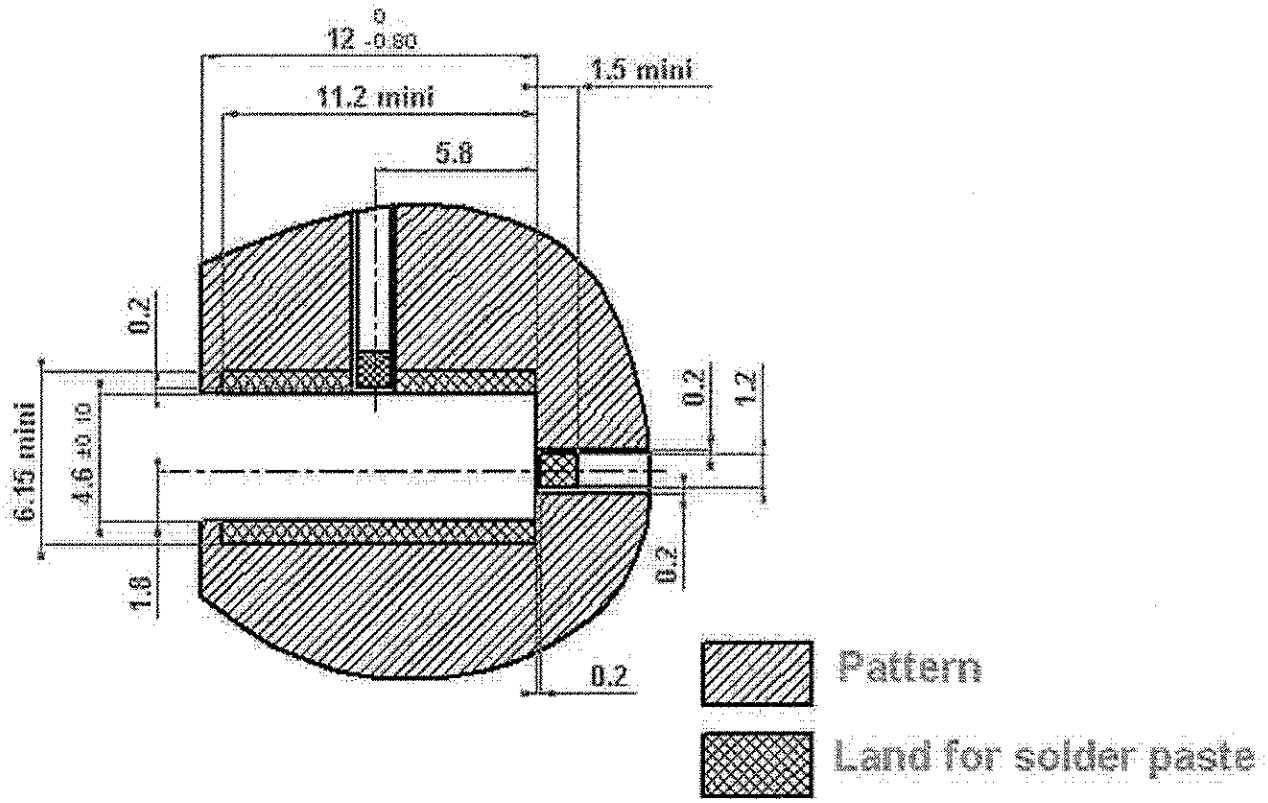
INFORMATIONS



COPLANAR LINE :

Ground and signal are on the same side.
Thickness of PCB : 1 mm.
The material of PCB is glass – epoxy composite (Er=4.8)
The solder resist should be printed except for the land pattenr of the PCB.

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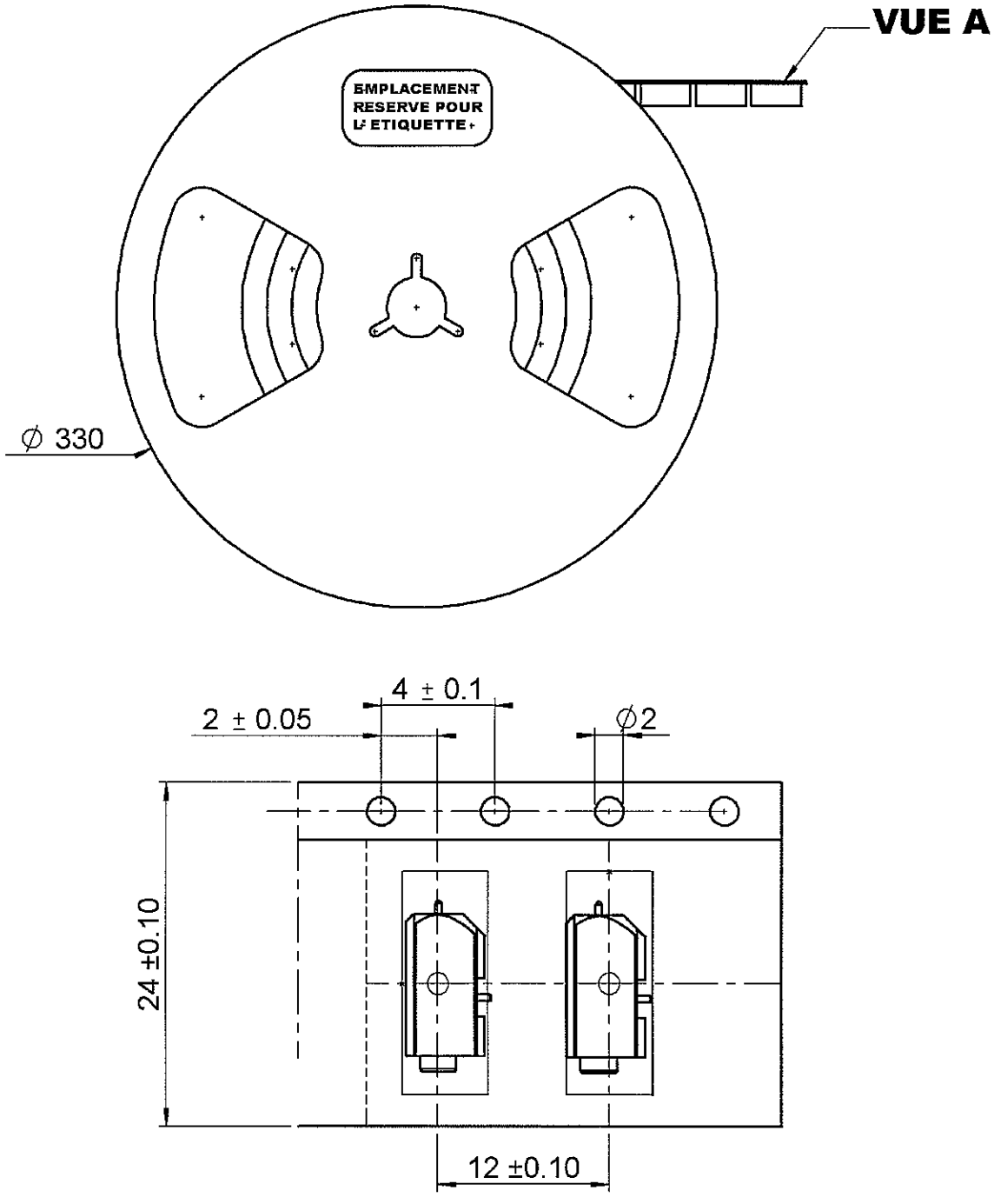

VIEW A

Issue : 0541 D

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

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