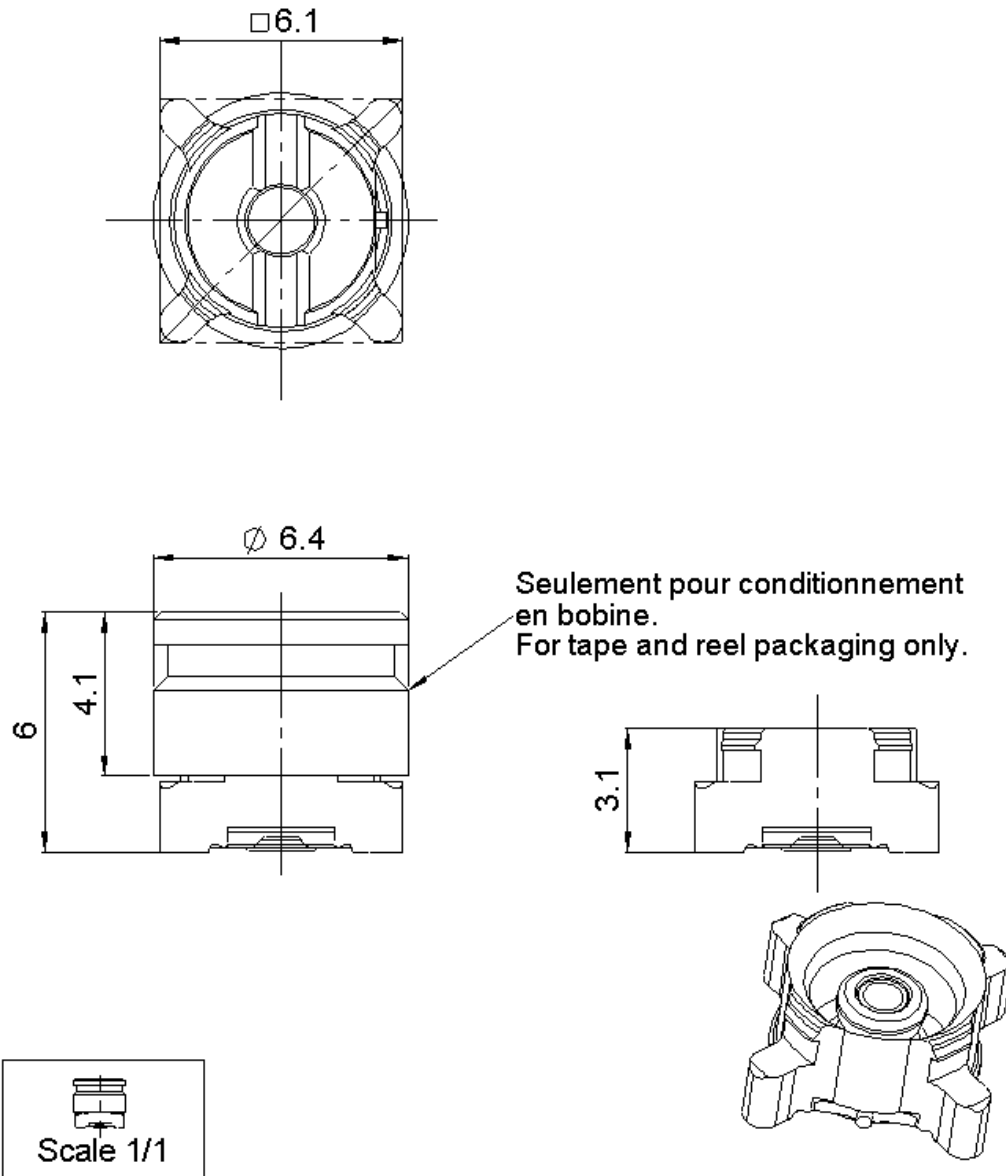
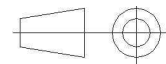


SMTJACK RECEPTACLE
REEL OF 750
R223.424.800

Series : MMBX



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
BODY	BRASS	NPGR
CENTER CONTACT	BRASS	NPGR
OUTER CONTACT	-	-
INSULATOR	LIQUID CRYSTAL POLYMER	-
GASKET	PTFE	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0735 C

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



SMTJACK RECEPTACLE**REEL OF 750****R223.424.800**

Series : MMBX

PACKAGING

Standard	Unit	Other
750	-	Contact us

SPECIFICATION**ELECTRICAL CHARACTERISTICS**

Impedance	50	Ω
Frequency	0-12.4	GHz
VSWR	1.065 + 0,0000	x F(GHz) Maxi
Insertion loss	0.12	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (100)	- F(GHz)) dB Maxi
Voltage rating	330	Veff Maxi
Dielectric withstanding voltage	1000	Veff mini
Insulation resistance	1000	M Ω mini

ENVIRONMENTAL

Operating temperature	-55/+155	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction	NA
----------------------	-----------

Others :
to 6 GHz
Interface MMBX only up to 2.5GHz
PCB to PCB -45 dB up to 2.5GHz

Mated pair height 6.7mm

MECHANICAL CHARACTERISTICS

Center contact retention	
Axial force – Mating end	10 N mini
Axial force – Opposite end	10 N mini
Torque	NA N.cm mini
Recommended torque	
Mating	NA N.cm
Panel nut	NA N.cm
Mating life	100 Cycles mini
Weight	0,3050 g

Issue : 0735 C

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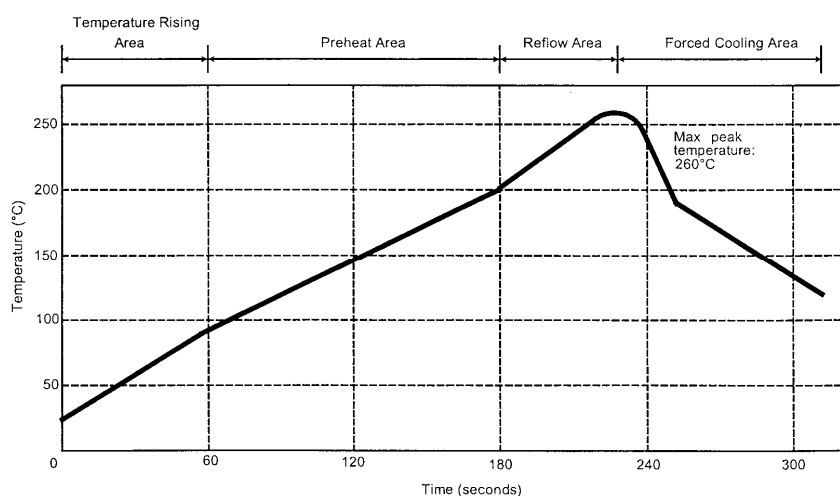


SMTJACK RECEPTACLE**R223.424.800****REEL OF 750****Series : MMBX**

SOLDER PROCEDURE OF MMBX RECEPTACLE IN INDUSTRIAL ENVIRONMENT

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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SMTJACK RECEPTACLE

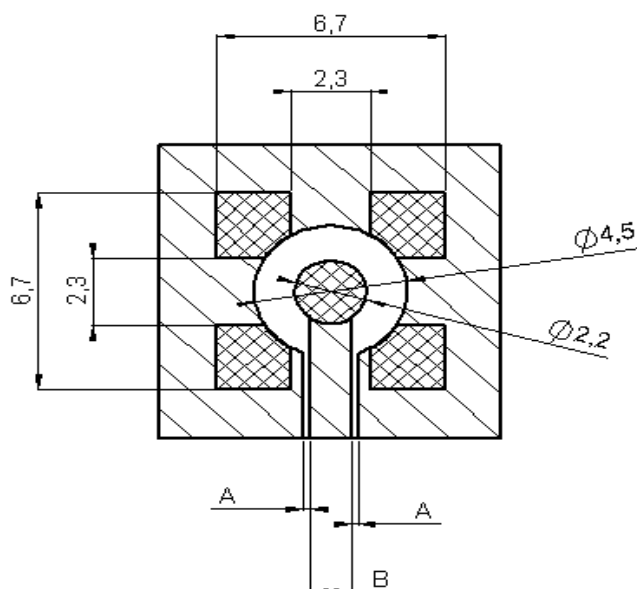
R223.424.800

REEL OF 750

Series : MMBX

MMBX SERIES INFORMATIONS

PCB



COPLANAR LINE

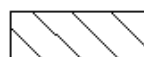
Pattern and signal are on the same side

The material of PCB is epoxy resin (FR4).

(Er = 4.6)

The solder resist should be printed

Except for the land pattern on the PCB



Pattern



APPLICATION 75Ω

WITH B = 0,55mm

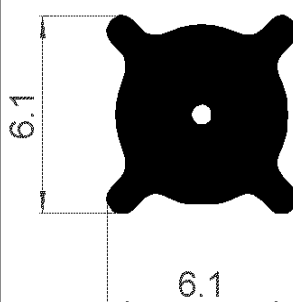
PCB thickness (mm)	Coplanar ligne A (mm)
0,8	0,350
1,0	0,360
1,2	0,365
1,6	0,375

APPLICATION 50Ω

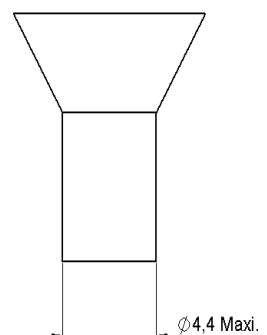
WITH B = 1,2mm

PCB thickness (mm)	Coplanar ligne A (mm)
0,8	0,190
1,0	0,200
1,2	0,205
1,6	0,210

SHADOW FOR VIDEO CAMERA



ASPIRATION PORT



Issue : 0735 C

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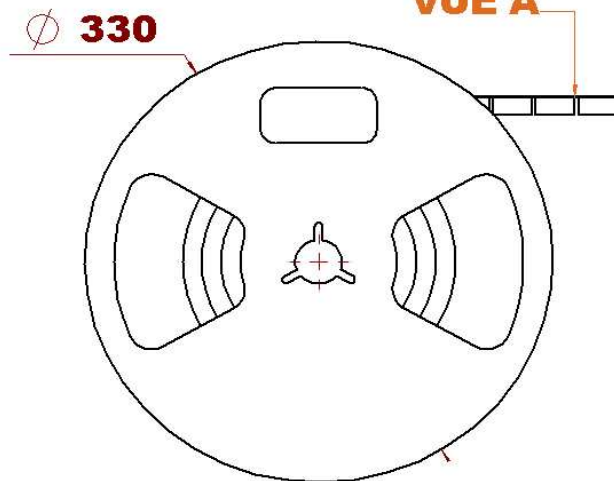
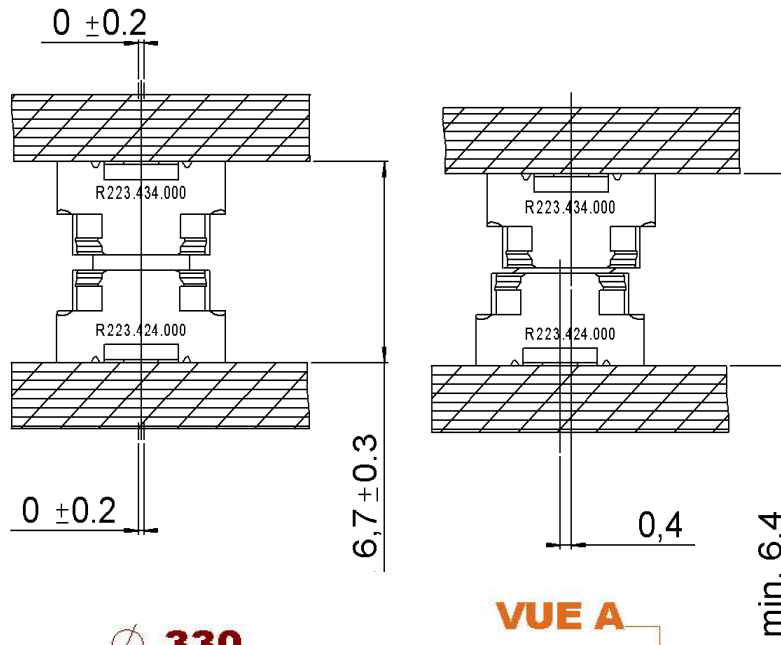
SMTJACK RECEPTACLE

REEL OF 750

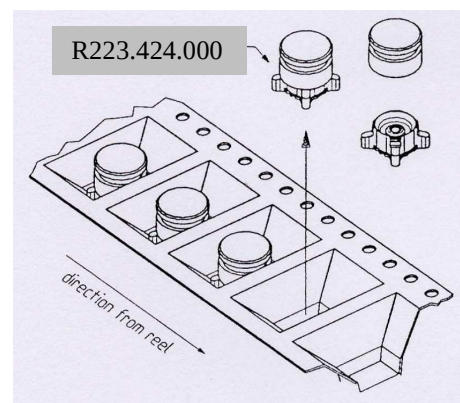
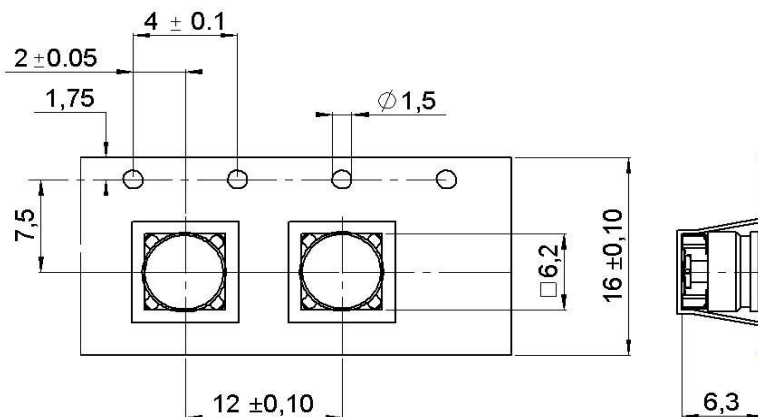
R223.424.800

Series : MMBX

INFORMATIONS SUR LA SERIE MMBX



VUE A



Issue : 0735 C

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