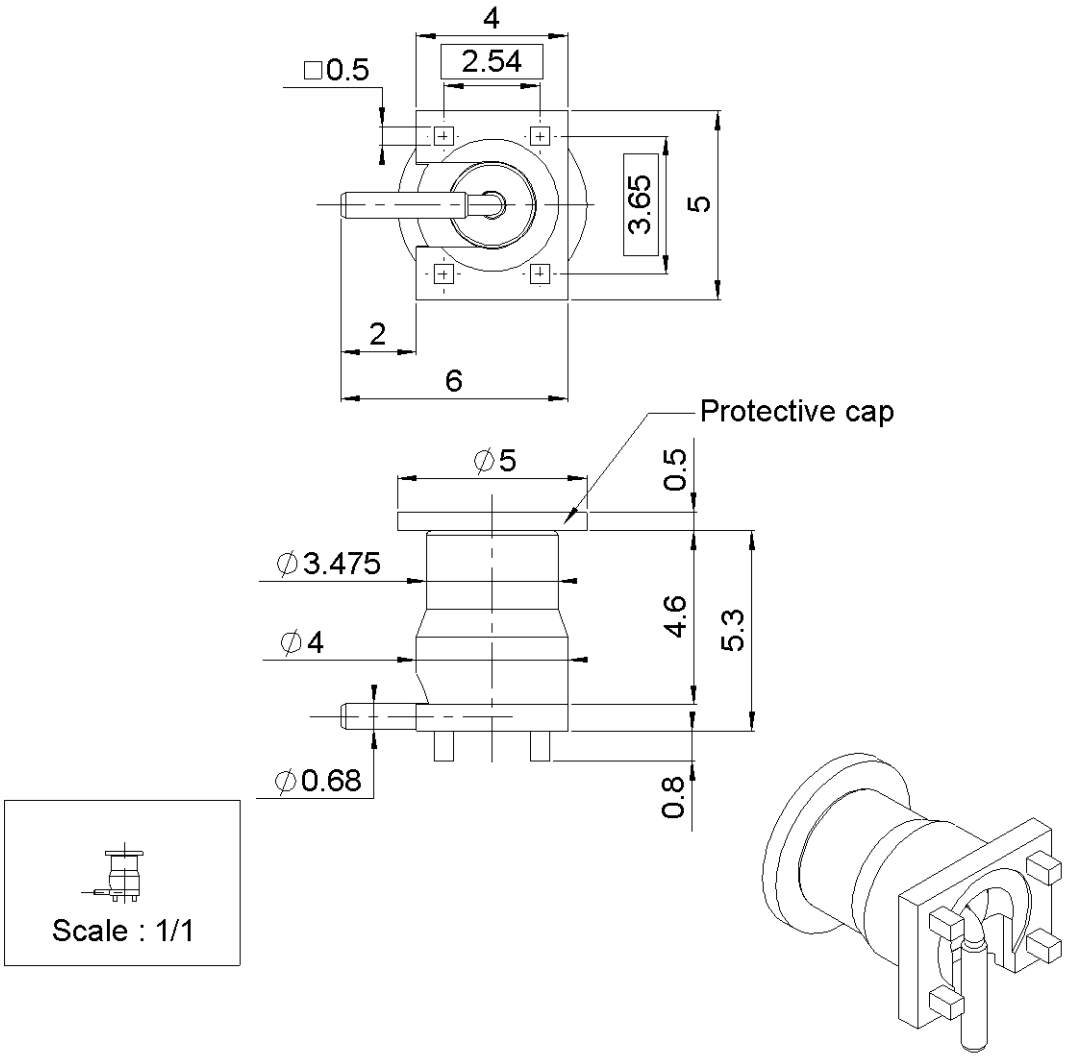
PAGE **1/5**	ISSUE **1435C**	SERIES **MMCX**	PART NUMBER **R110427830**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
Body	**BRASS**	**NPGR**
Center contact	**BERYLLIUM COPPER**	**GOLD OVER NICKEL**
Outer contact	**-**	**-**
Insulator	**PTFE**	
Gasket	**-**	
Others parts	**-**	**-**
-	**-**	**-**
-	**-**	**-**

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

PACKAGING

Standard	Unit	Other
500	**Contact us**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-6**	GHz
VSWR	**NA**	**+**	**0.0000**	x F(GHz) Maxi
Insertion loss			**NA**	√F(GHz) dB Maxi
RF leakage		- (		- F(GHz)) dB Maxi
Voltage rating			**250**	Veff Maxi
Dielectric withstanding voltage			**500**	Veff mini
Insulation resistance			**1000**	MΩ mini

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	**500**	Cycles mini
Weight	**0.3800**	g

ENVIRONMENTAL

Operating temperature	**-55/+155**	°C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

1AB052720013

OTHER CHARACTERISTICS

Assembly instruction:

Others:

***after soldering**

Materials are compliant with the EU's RoHS directive

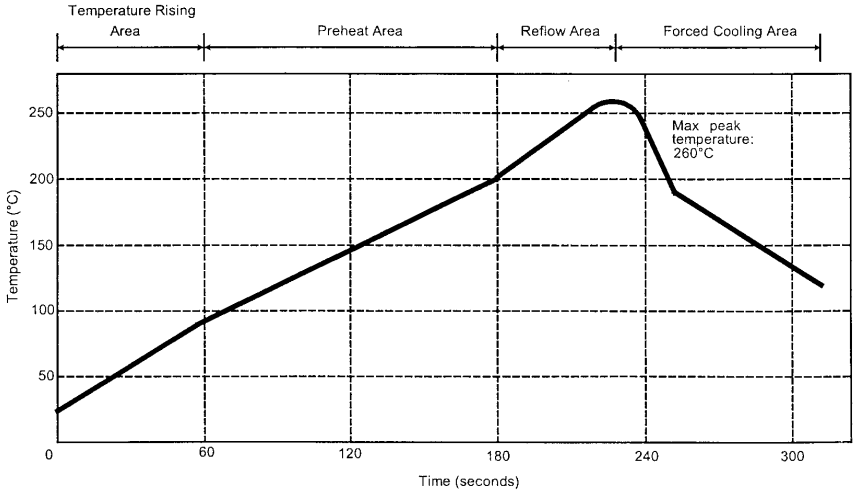
This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

SOLDER PROCEDURE

1. **Deposit 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 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.**

NOTE : The receptacle and the plug must not be mated before completion of this procedure

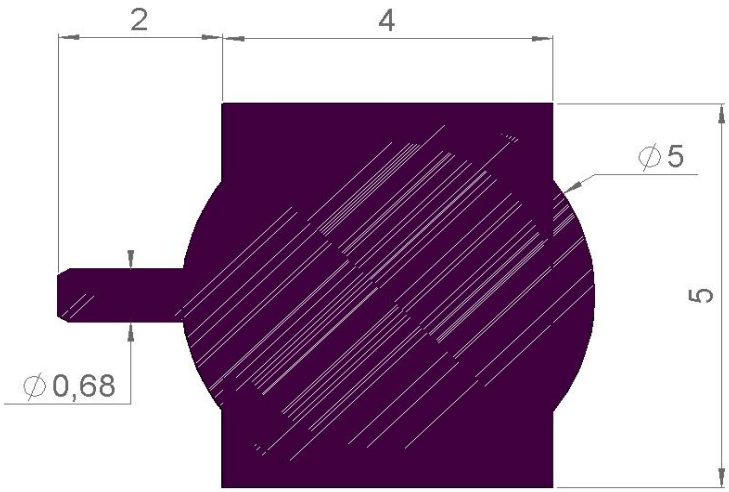
TEMPERATURE PROFILE



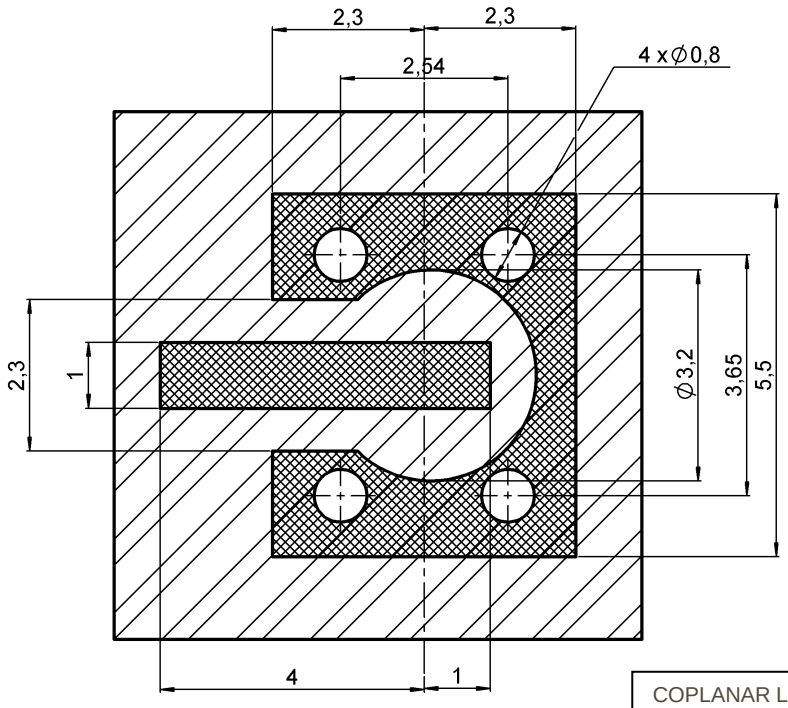
Parameter	Value	Unit
Temperature rising Area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling Area	-1 to - 4	°C/sec
Max dwell time above 100°C	420	sec

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

SHADOW OF RECEPTACLE FOR VIDEO CAMERA



STANDARD PAD

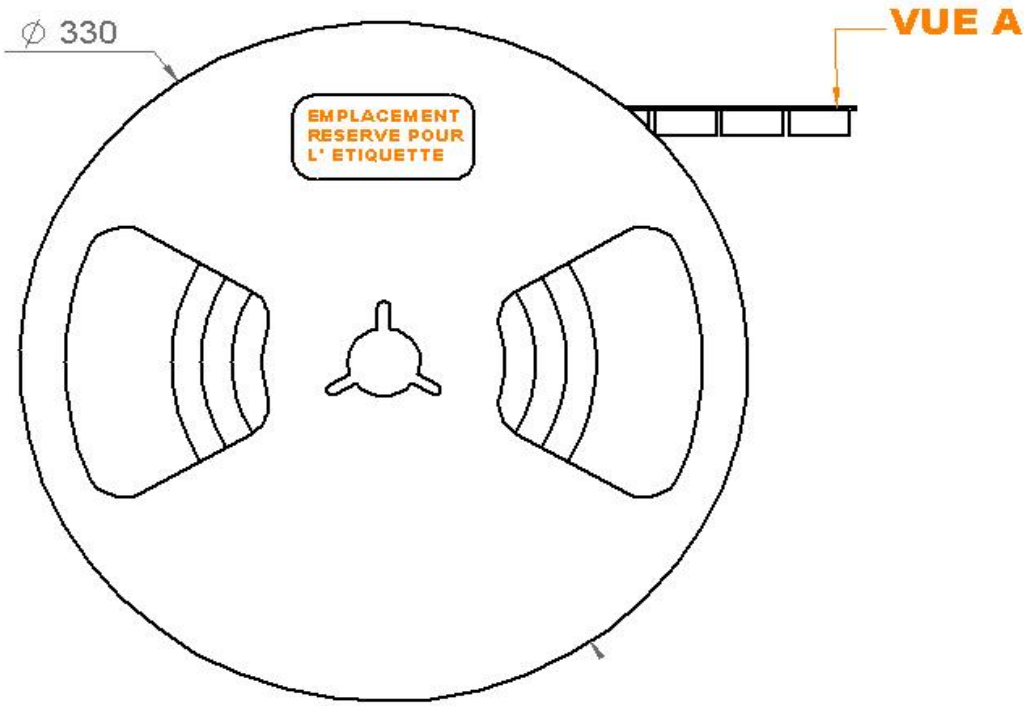


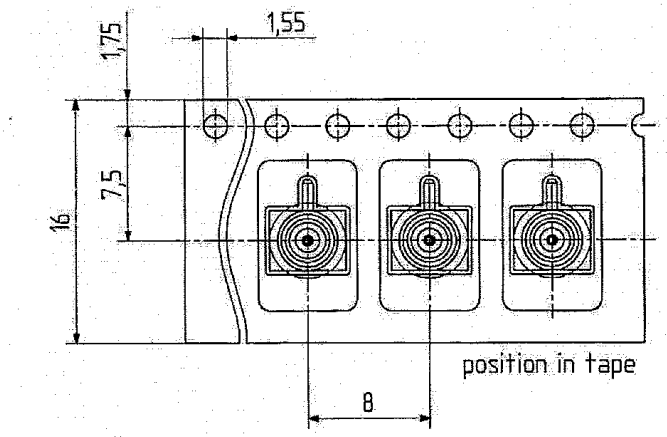
Masse + vernis
Ground + varnish

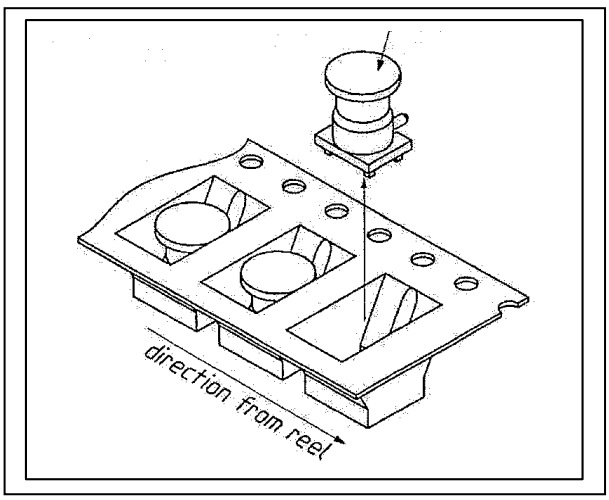
Plots de soudure
Lands for solder paste

COPLANAR LINE
Pattern and signal are on the same side.
Thickness of the PCB : 1.6 mm
The material of the PCB is the epoxy resin of
Glass fabrics bacs (ER : 4.8).
The solder resist should be printed except for
The land pattern on the PCB.

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.







This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radiall:

R110427830 R110427830W