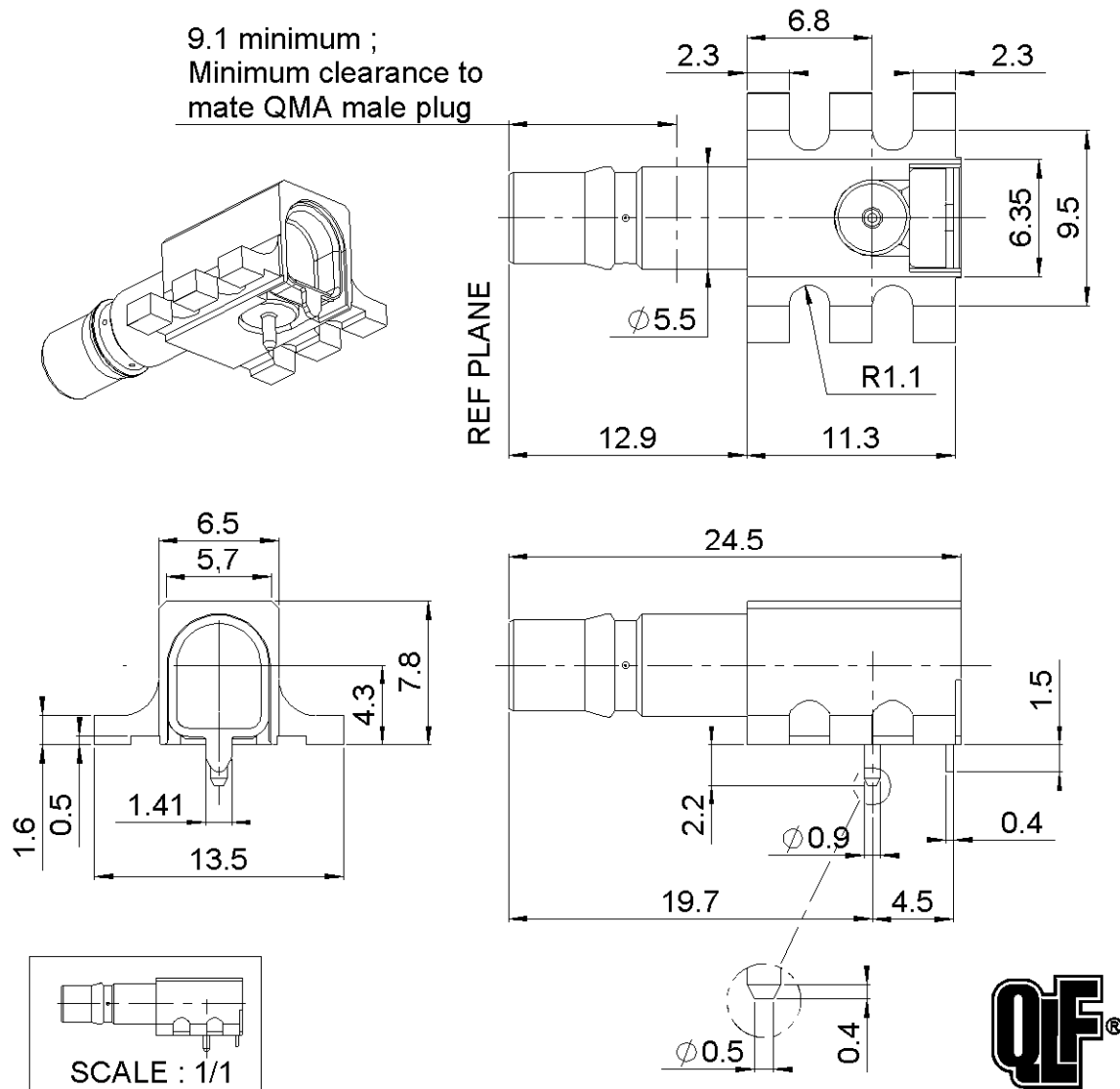


**RIGHT ANGLE SMT RECEPTACLE**

**REEL 100**

**R123.682.827**

Series : QMA



All dimensions are in mm.

| COMPONENTS     | MATERIALS        | PLATING (µm) |
|----------------|------------------|--------------|
| BODY           | BRASS            | NPGR         |
| CENTER CONTACT | BERYLLIUM COPPER | NPGR         |
| OUTER CONTACT  | -                | -            |
| INSULATOR      | PTFE             | -            |
| GASKET         | -                | -            |
| OTHERS PARTS   | BRASS            | NPGR         |
| -              | -                | -            |
| -              | -                | -            |

**Issue : 1123 M**

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

**RADIAL**

## RIGHT ANGLE SMT RECEPTACLE

**R123.682.827****REEL 100**

Series : QMA

**PACKAGING**

| Standard   | Unit              | Other             |
|------------|-------------------|-------------------|
| <b>100</b> | <b>'W' option</b> | <b>Contact us</b> |

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

|                                 |                       |                                |
|---------------------------------|-----------------------|--------------------------------|
| Impedance                       | <b>50</b>             | $\Omega$                       |
| Frequency                       | <b>0 - 6</b>          | GHz                            |
| VSWR                            | <b>1.05* + 0,0000</b> | x F(GHz) Maxi                  |
| Insertion loss                  | <b>0.05</b>           | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | <b>- ( 80**</b>       | - F(GHz)) dB Maxi              |
| Voltage rating                  | <b>350</b>            | Veff Maxi                      |
| Dielectric withstanding voltage | <b>1000</b>           | Veff mini                      |
| Insulation resistance           | <b>5000</b>           | M $\Omega$ mini                |

**ENVIRONMENTAL**

|                       |                 |                    |
|-----------------------|-----------------|--------------------|
| Operating temperature | <b>-40/+105</b> | $^{\circ}\text{C}$ |
| Hermetic seal         | <b>NA</b>       | Atm.cm3/s          |
| Panel leakage         | <b>NA</b>       |                    |

**OTHER CHARACTERISTICS**

Assembly instruction

Others :

\*VSWR: up to 3GHz; 3-6GHz, 1.1 Max

\*\*RF leakage:Interf. only:3&lt;F&lt;6GHz:&gt;70dB

**MECHANICAL CHARACTERISTICS**

|                            |                     |
|----------------------------|---------------------|
| Center contact retention   |                     |
| Axial force – Mating end   | <b>27</b> N mini    |
| Axial force – Opposite end | <b>27</b> N mini    |
| Torque                     | <b>NA</b> N.cm mini |

## Recommended torque

|           |                |
|-----------|----------------|
| Mating    | <b>NA</b> N.cm |
| Panel nut | <b>NA</b> N.cm |

|             |                        |
|-------------|------------------------|
| Mating life | <b>100</b> Cycles mini |
| Weight      | <b>5,9500</b> g        |

Issue : 1123 M

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**RADIAL**

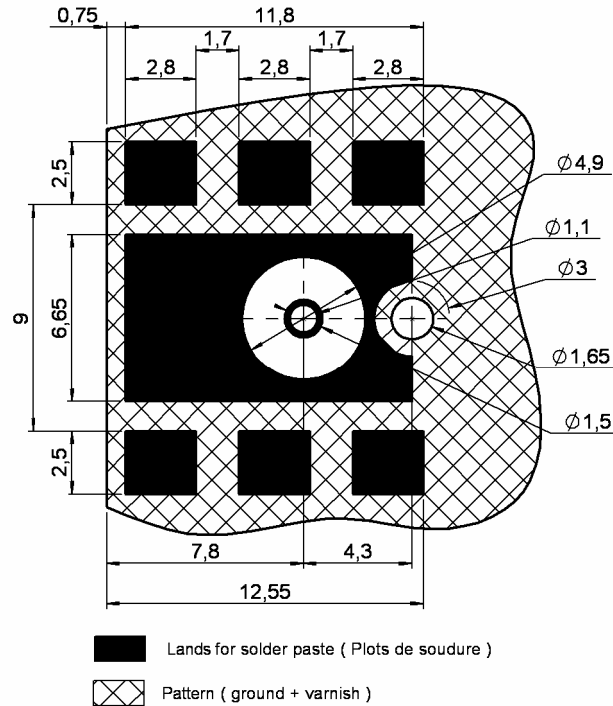
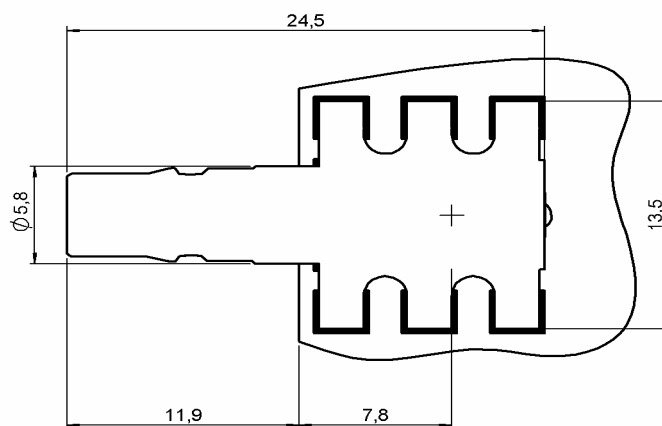
**RIGHT ANGLE SMT RECEPTACLE****REEL 100****R123.682.827**

Series : QMA

**QMA SERIE - INFORMATIONS**

COPLANAR LINE : Pattern and signal are on the same side. Thickness of PCB = 0.063 (1.6mm).

The material of 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.

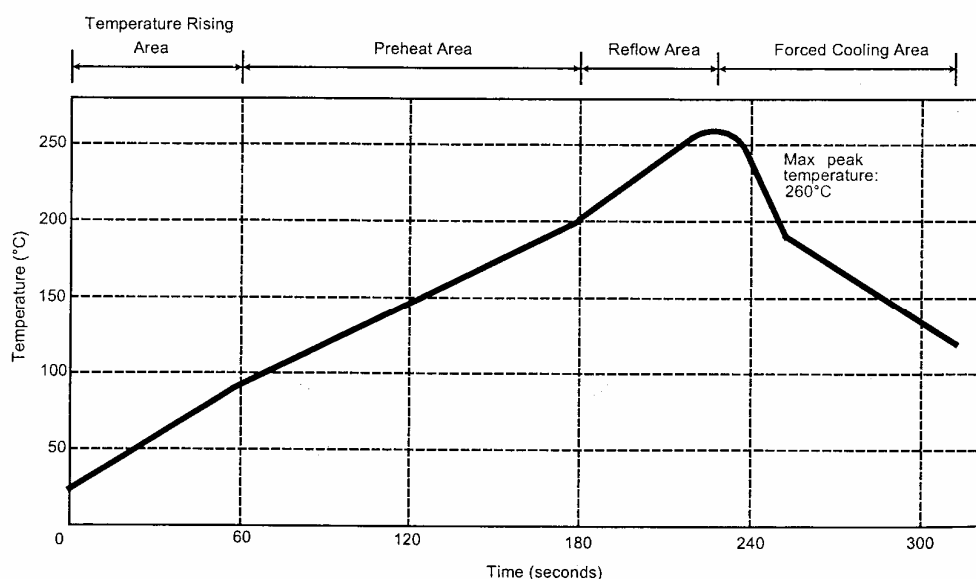
**SHADOW OF QUICKLOCK RECEPTACLE FOR VIDEO CAMERA****Issue : 1123 M**

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

**RADIAL** 

**RIGHT ANGLE SMT RECEPTACLE****R123.682.827****REEL 100****Series : QMA****SOLDER PROCEDURE**

1. Deposit solder paste 'Sn95 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 'pick and place' machine.  
Video camera is preferred to check the positioning of the component (See page 3).  
Adhesive agents are forbidden on the receptacle.
3. Soldering by infra-red reflow.  
We give under, the typical profile to use.
4. Cleaning of the printed circuits board.
5. Checking of solder joints and position of the components by visual inspection.

**TEMPERATURE PROFIL**

| Parmeter                         | 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    |

**Issue : 1123 M**

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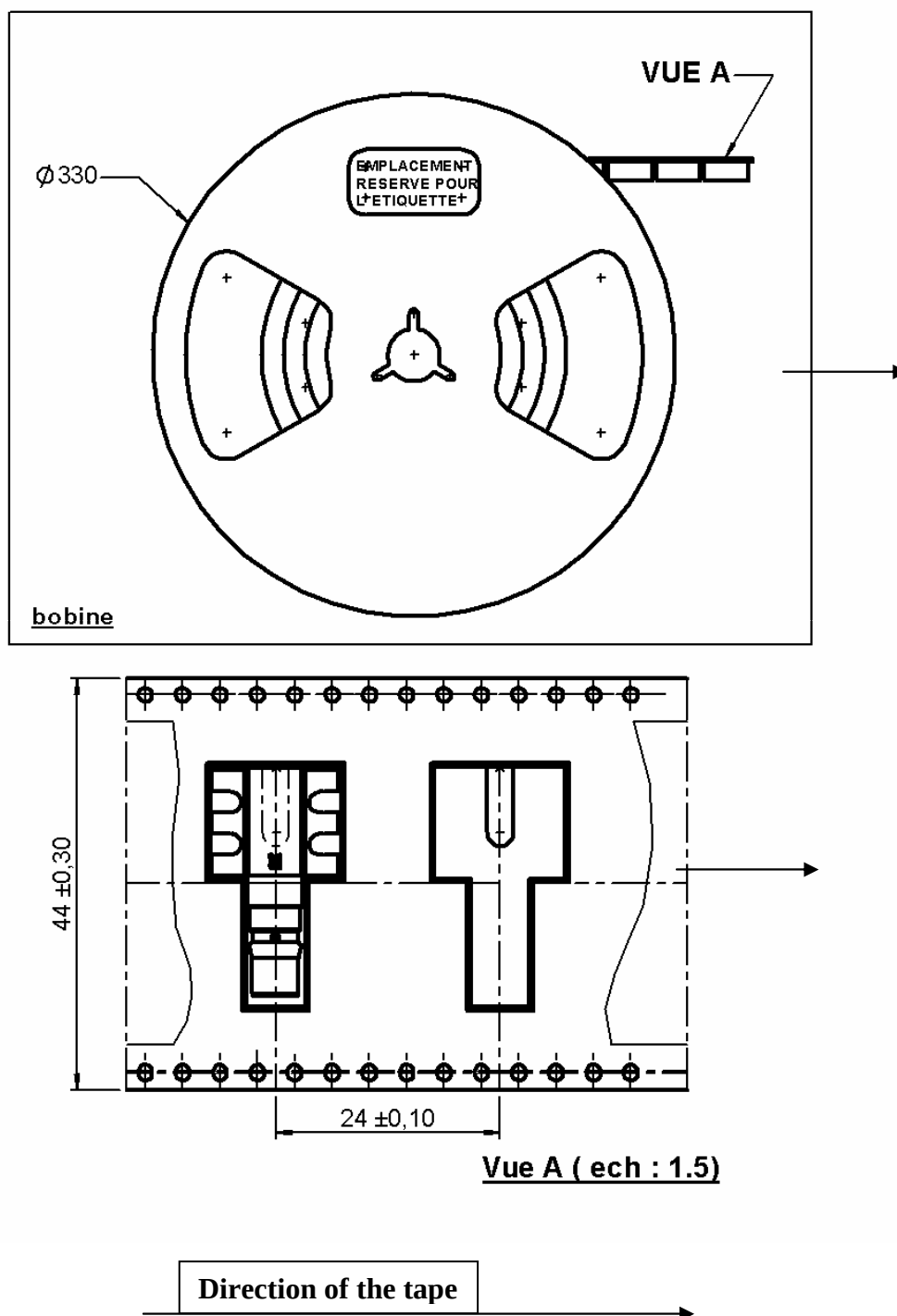
**RADIAL** 

## RIGHT ANGLE SMT RECEPTACLE

REEL 100

**R123.682.827**

Series : QMA

**Issue : 1123 M**

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