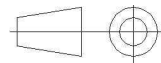
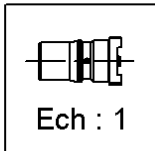
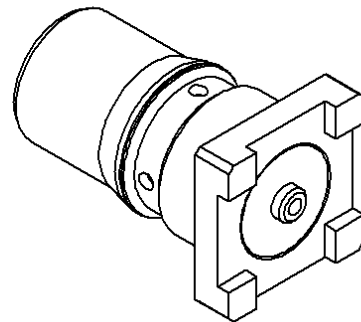
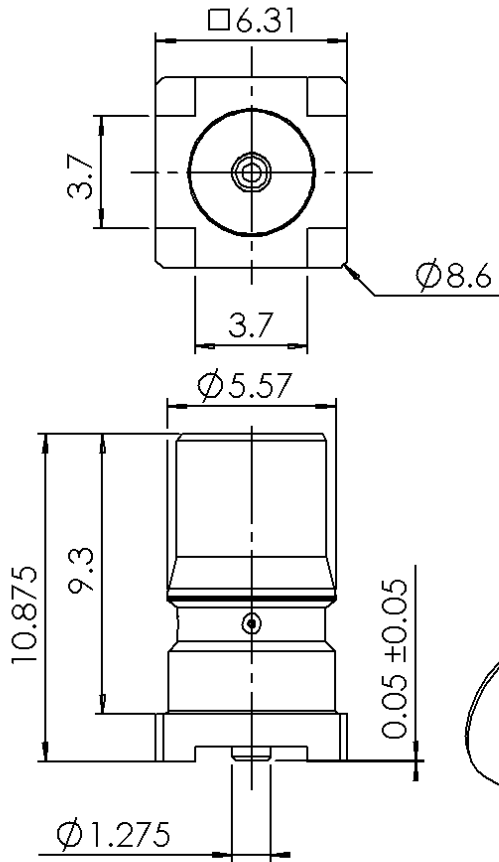


SMT RECEPTACLE

R123.427.823

REEL 300

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 | | |
| - | - | - |
| - | - | - |

Issue : 0923 D

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



SMT RECEPTACLE

R123.427.823

REEL 300

Series : QMA

PACKAGING

SPECIFICATION

| Standard | Unit | Other |
|------------|------|-------------------|
| 300 | | Contact us |

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

| | | |
|---------------------------------|----------------------|--------------------------|
| Impedance | 50 | Ω |
| Frequency | 0-6 | GHz |
| VSWR | 1.04 + 0,0450 | x F(GHz) Maxi |
| Insertion loss | 0.05 | \sqrt{F} (GHz) dB Maxi |
| RF leakage | - (80) | - F(GHz)) dB Maxi |
| Voltage rating | 500 | Veff Maxi |
| Dielectric withstanding voltage | 1000 | Veff mini |
| Insulation resistance | 5000 | M Ω mini |

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

OTHER CHARACTERISTICS

Assembly instruction

Others :

Intermod.: -120dBc at 1.8GHz(2 x 20W)
RF leakage: Interf. only: $3 < F < 6$ GHz: >70dB

MECHANICAL CHARACTERISTICS

| | | |
|----------------------------|---------------|-------------|
| Center contact retention | | |
| Axial force – Mating end | 27 | N mini |
| Axial force – Opposite end | 27 | N mini |
| Torque | 2.8 | N.cm mini |
| Recommended torque | | |
| Mating | NA | N.cm |
| Panel nut | NA | N.cm |
| Mating life | 100 | Cycles mini |
| Weight | 1,2180 | g |

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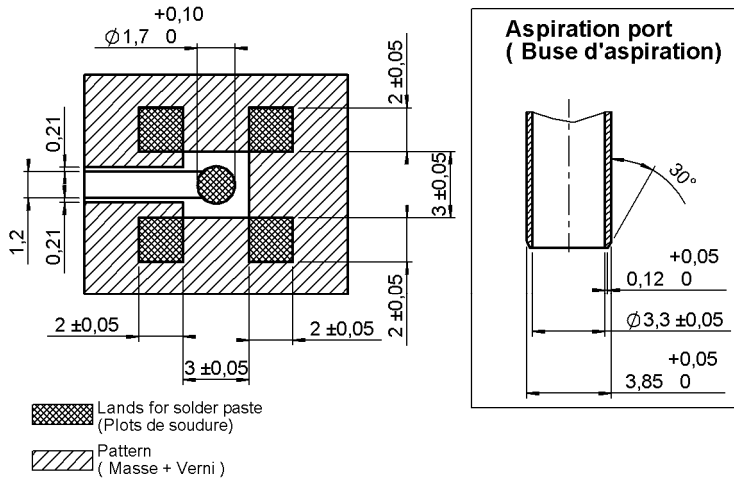
REEL 300

Series : QMA

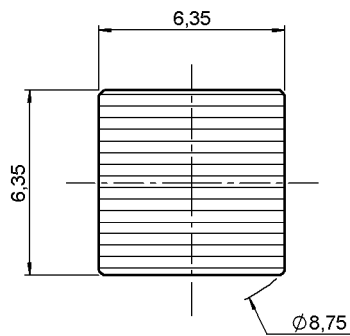
QMA SERIE - INFORMATIONS

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 QMA RECEPTACLE FOR VIDEO CAMERA



Issue : 0923 D

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SMT RECEPTACLE

R123.427.823

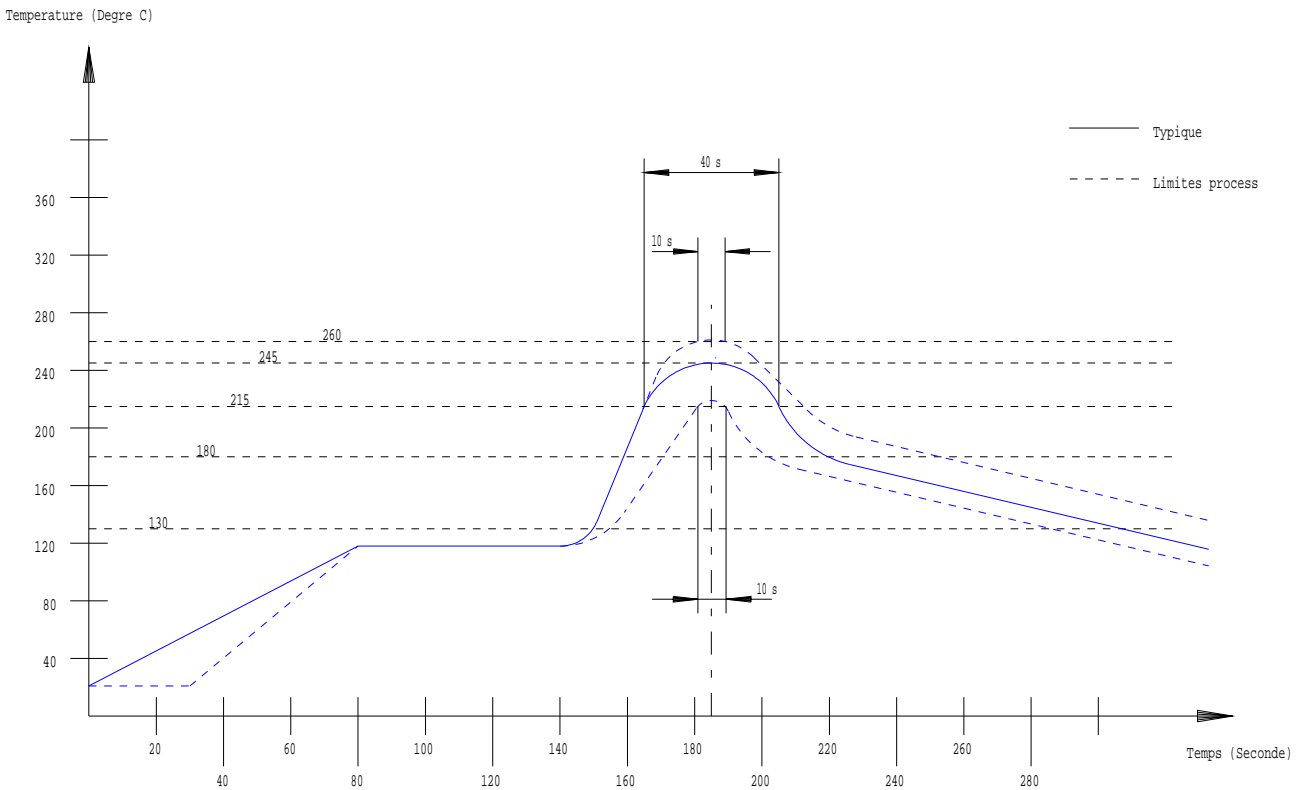
REEL 300

Series : QMA

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 '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



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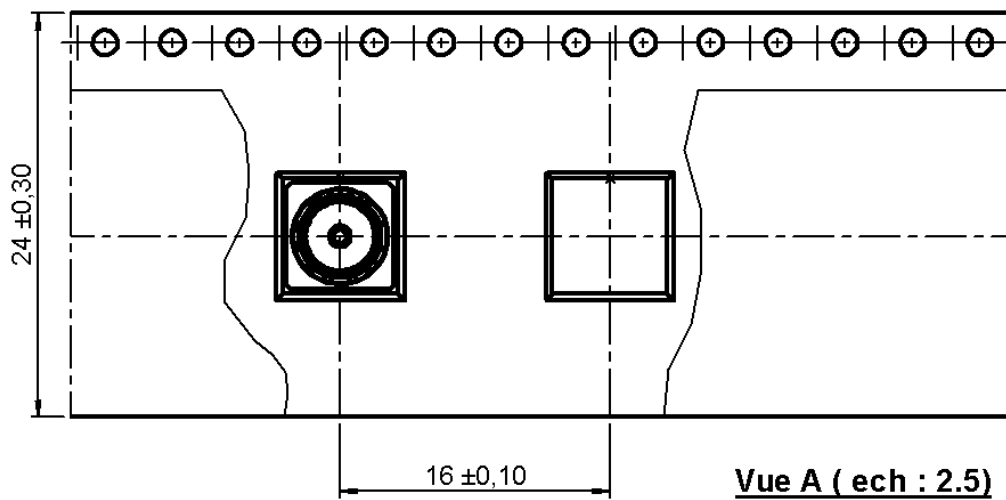
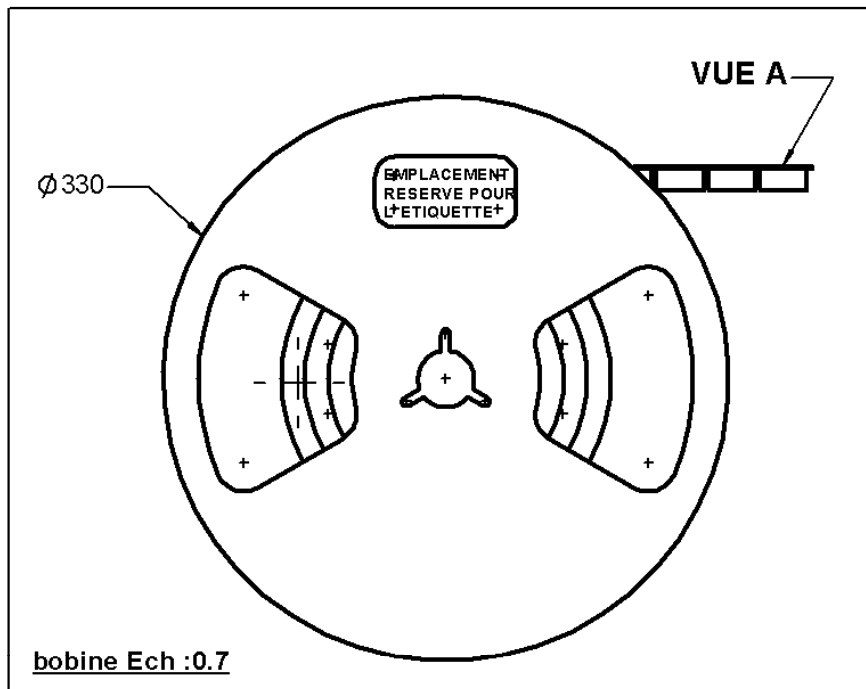


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REEL 300

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