

**R123.422.801**

Series : **QMA**

View A

All dimensions are in mm.

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

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

RADIAL 

**QMA SWITCH EDGE CARD SMT RIGHT TYPE****R123.422.801****PACKAGING IN REEL 110**

Series : QMA

**PACKAGING**

Standard	Unit	Other
<b>110</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-3</b>	GHz
VSWR	<b>1.1 + 0.1000</b>	x F(GHz) Maxi
Isolation at DC to 1 GHz	<b>-47</b>	dB Typical
Isolation at 1 to 2 GHz	<b>-43</b>	dB Typical
Isolation at 2 to 3 GHz	<b>-40</b>	dB Typical
Insertion loss at DC to 1 GHz	<b>0.1</b>	dB Maxi
Insertion loss at 1 to 2 GHz	<b>0.15</b>	dB Maxi
Insertion loss at 2 to 3 GHz	<b>0.2</b>	dB Maxi
RF leakage	- ( <b>NA</b> - F(GHz))	dB Maxi
Voltage rating	<b>300</b>	Veff Maxi
Dielectric withstanding voltage	<b>500</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

**ENVIRONMENTAL**

Operating temperature	<b>-40/+85</b>	$^{\circ}$ C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**OTHER CHARACTERISTICS**

Assembly instruction	<b>NA</b>
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Others :

Action Mating force:

20N max

15N min

(1) Do not apply force on the center contact before mounting the switch on PCB

**MECHANICAL CHARACTERISTICS**

Center contact retention	
Axial force – Mating end	<b>NA</b> N mini
Axial force – Opposite end	<b>NA</b> N mini
Torque	<b>NA</b> N.cm mini
Axial force side pin	<b>(1)</b>
Recommended torque	
Mating	<b>NA</b> N.cm
Panel nut	<b>NA</b> N.cm
Mating life	<b>100</b> Cycles mini
Weight	<b>23.0700</b> g

Issue : 1029 A

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QMA SWITCH EDGE CARD SMT RIGHT TYPE

**R123.422.801**

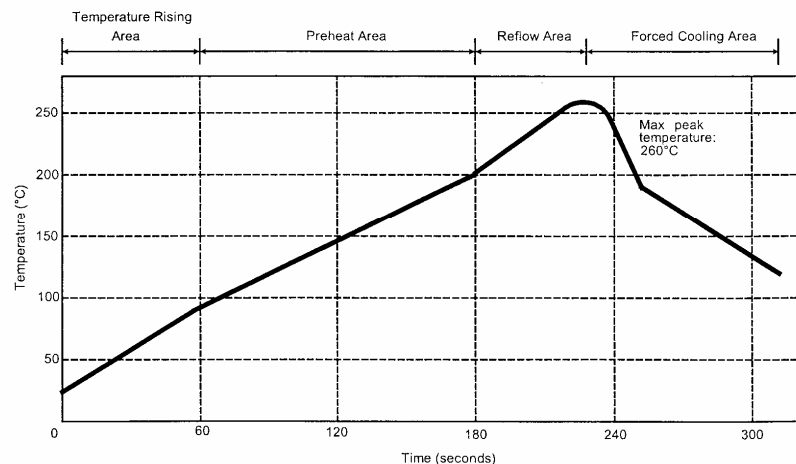
PACKAGING IN REEL 110

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**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 microm ( 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

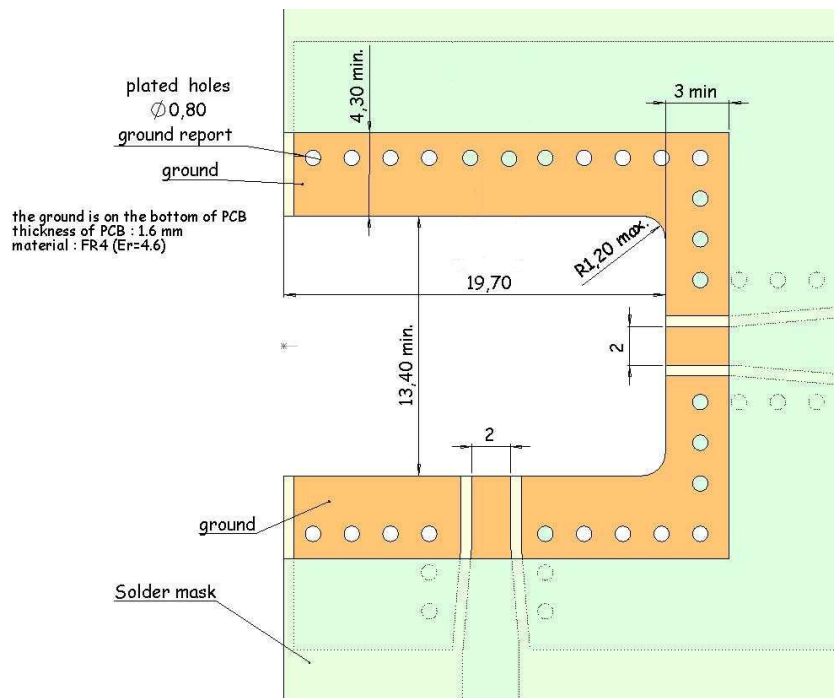
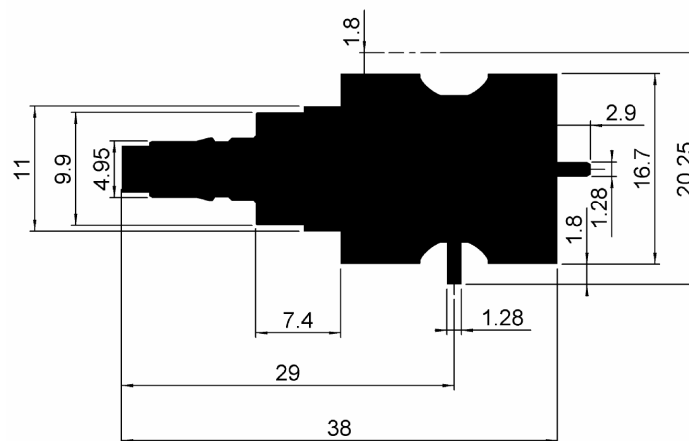
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**PCB for QMA switch****Shadow of QMA switch for video camera**

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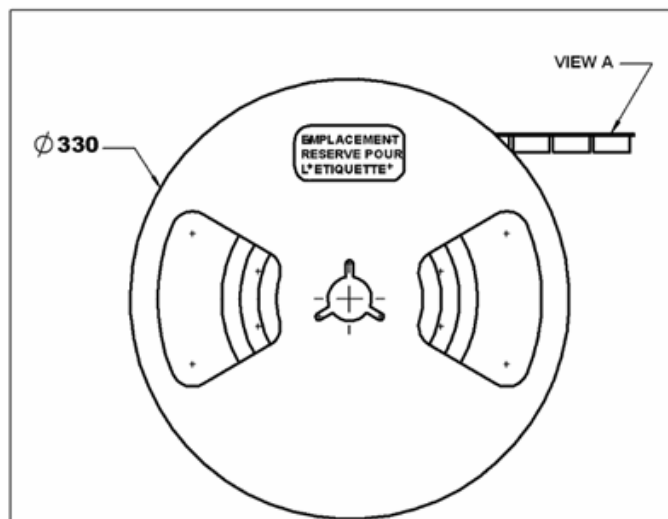
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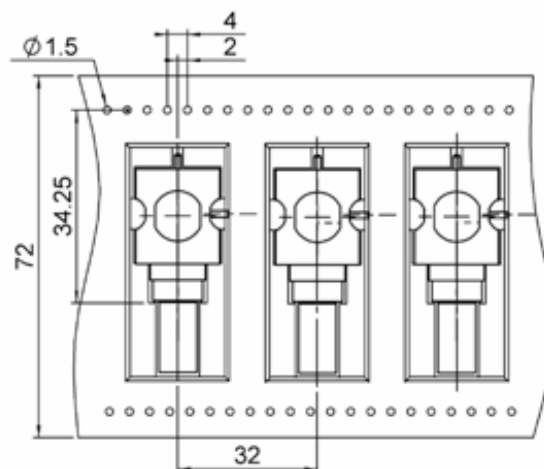
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TAPE FEED DIRECTION



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