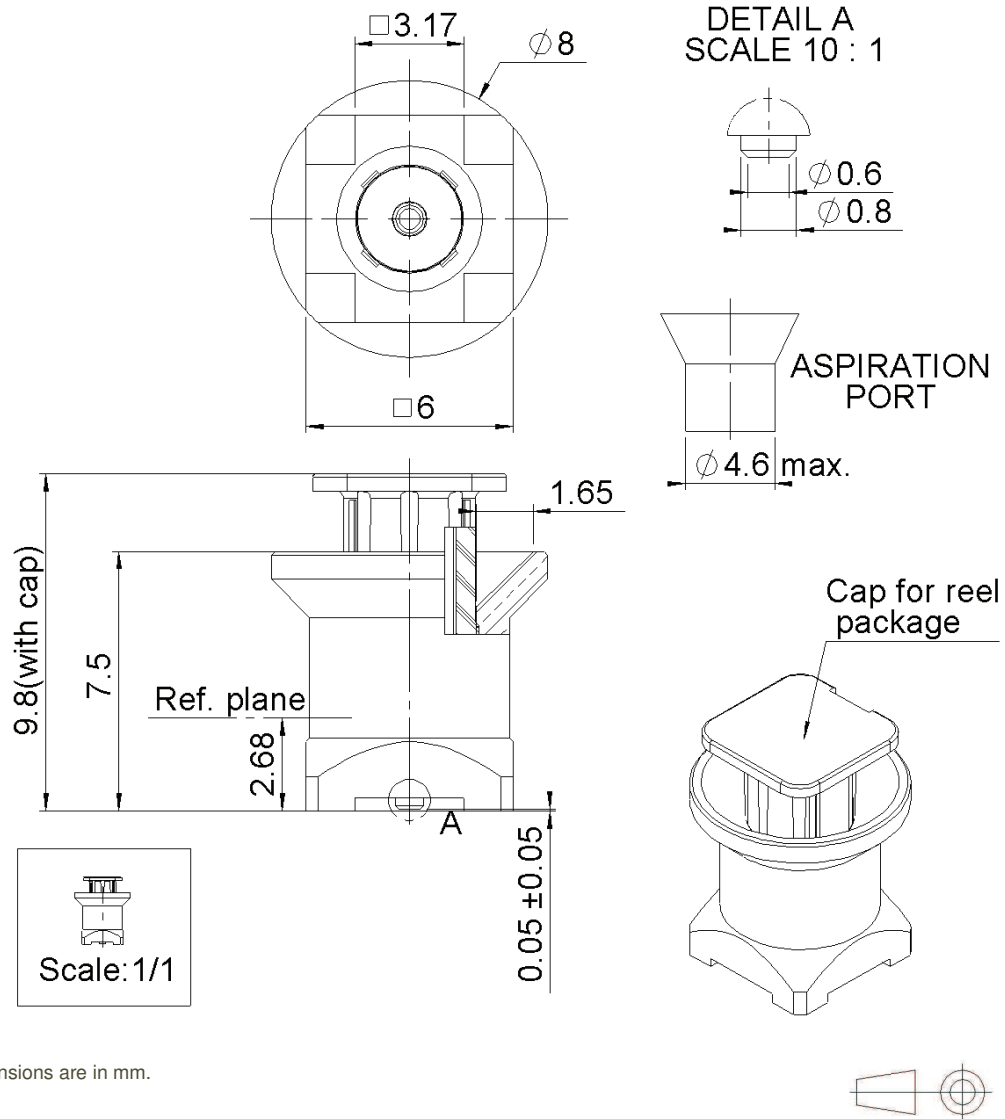


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ISSUE 1308C

SERIES SMP-MAX

PART NUMBER R222M00740



COMPONENTS	MATERIALS	PLATING (μm)
Body	BRASS	NPGR
Center contact	BRASS	NPGR
Outer contact		
Insulator	PTFE/LCP/PEEK	
Gasket		
Others parts	PTFE/LCP/PEEK	
-	-	-
-	-	-

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ISSUE **1308C**

SERIES **SMP-MAX**

PART NUMBER **R222M00740**

PACKAGING

Standard	Unit	Other
400	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance		50	Ω
Frequency		0-6	GHz
VSWR	1.25*	+	0.0000 x F(GHz) Maxi
Insertion loss		0.15*	√F(GHz) dB Maxi
RF leakage	- (	NA	- F(GHz) dB Maxi
Voltage rating		335	Veff Maxi
Dielectric withstanding voltage		1000	Veff mini
Insulation resistance		5000	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention			
Axial force – Mating End		7	N mini
Axial force – Opposite end		7	N mini
Torque		NA	N.cm mini
Recommended torque			
Mating		NA	N.cm
Panel nut		NA	N.cm
Mating life		100	Cycles mini
Weight		1.3550	g

ENVIRONMENTAL

Operating temperature	-55/+165	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

OTHER CHARACTERISTICS

Assembly instruction:

Others:

***VSWR: up to 3 GHz; 3-6GHz, 1.35max**

***Coaxial Transmission Line Only**

***Slide type receptacle+Bullet+Snap type**

Typical VSWR(Board to Board connection):

0-3GHz, 1.2max

Power handling (typical) :

>300W@2.7GHz at 25°C; >200W@2.7GHz at 85°C

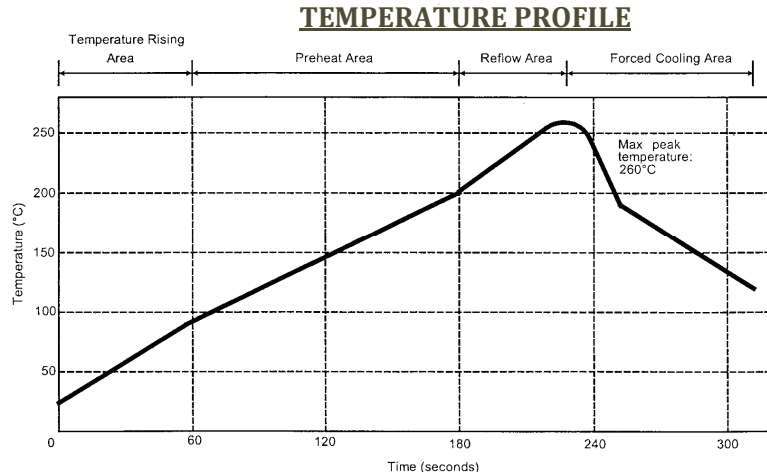
Radial working angle: 3° min

Axial working range: 2mm

SOLDER PROCEDURE

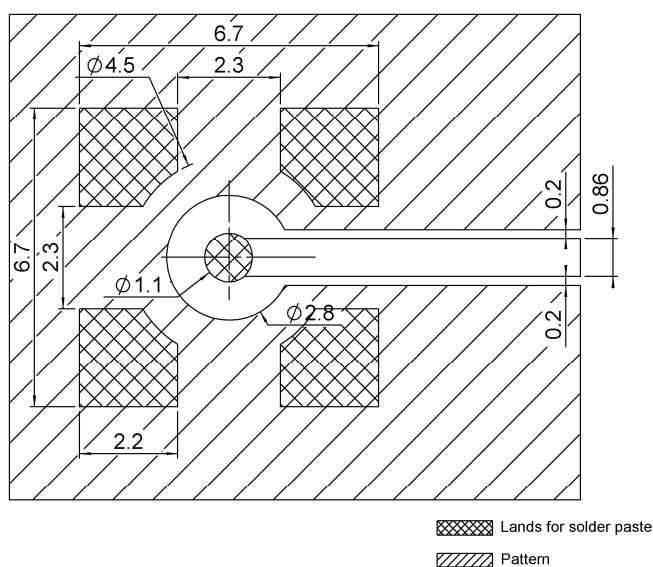
1. Deposit solder paste 'SnAg4Cu0.5' on mounting zone by screen printing application. We recommend a low residue flux. We advise a thickness of 150 micromm (5.850 microinch). Verify that the edges of the zone are clean.
2. Placement of the receptacle on the mounting zone with an automatic machine of '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 .

Verification of solder joints and position of the component by visual inspection.

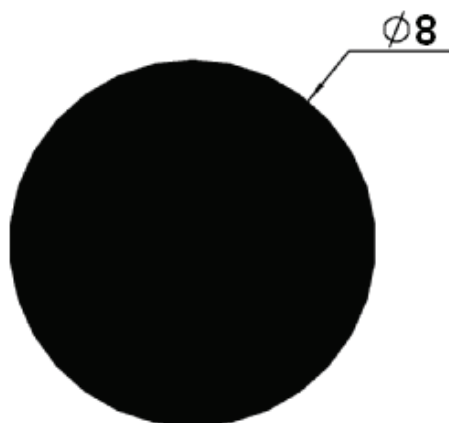


Parameter	Value	Unit
Temperature rising Area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260 °C	10	sec
Min dwell time @235 °C	20	sec
Max dwell time @235 °C	60	sec
Temperature drop in cooling Area	-1 to - 4	°C/sec
Max dwell time above 100 °C	420	sec

PCB



Shadow of receptacle for video camera



PACKAGE

