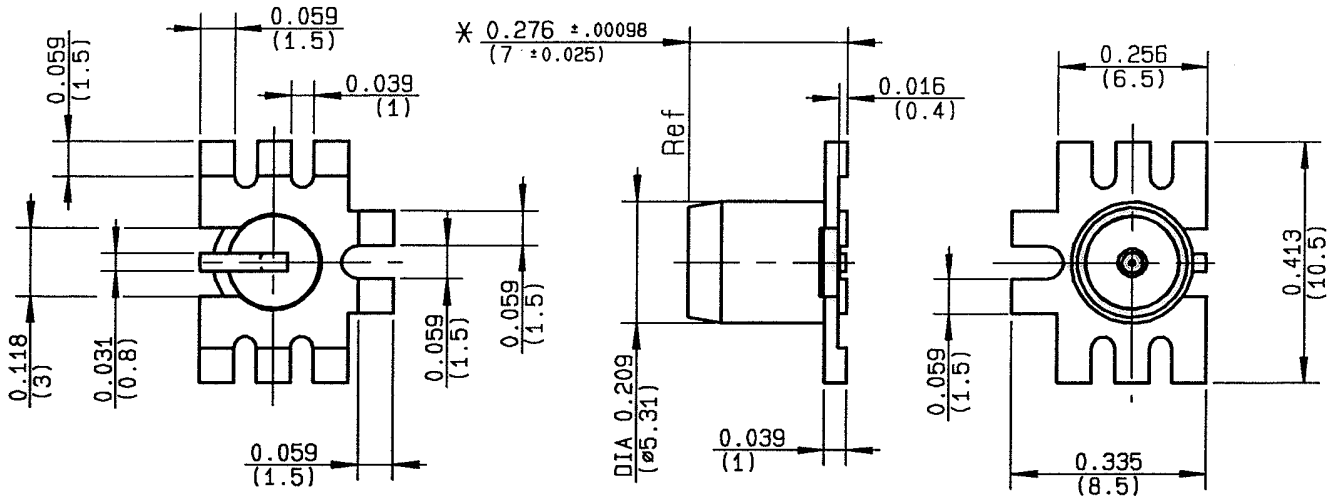
MALE STRAIGHT RECEPTACLE FOR PCB

SMT TYPE

R128.424.848

Series : **BMA COM**



* Minimum height.Could be increased to 8 max (7.97 ±0.03)

All dimensions are in mm.

COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	**BRASS**	**TIN 7 OVER COPPER 3**
CENTER CONTACT	**BRASS**	**GOLD 0.5 OVER NICKEL 2**
OUTER CONTACT	-	-
INSULATOR	**PTFE**	
GASKET	-	
OTHERS PARTS	-	-
-	-	-
-	-	-

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RADIALL®

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PACKAGING

Standard	Unit	Other
100	**'W' option**	**Contact us**

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-3**	GHz
VSWR	**1.02**	+	**0,0500**	x F(GHz) Maxi
Insertion loss			**0.07**	√F(GHz) dB Maxi
RF leakage		- (	**NA**	- F(GHz)) dB Maxi
Voltage rating			**350**	Veff Maxi
Dielectric withstanding voltage			**1000**	Veff mini
Insulation resistance			**5000**	MΩ mini

ENVIRONMENTAL

Operating temperature	**-65/+125**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

OTHERS CHARACTERISTICS

Assembly instruction

Others :
-

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**8**	N mini
Axial force – Opposite end	**8**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**NA**	N.cm
Panel nut	**NA**	N.cm
Mating life	**500**	Cycles mini
Weight	**0,9000**	g

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SOLDER PROCEDURE

1. Deposition of solder paste 'Sn Ag4 Cu0.5' on mounting zone by screen printing application. We recommend a low residue flux.
   We advise a thickness of 200 microns (7.800 microinch). Verify that the edges of the zone are clean.

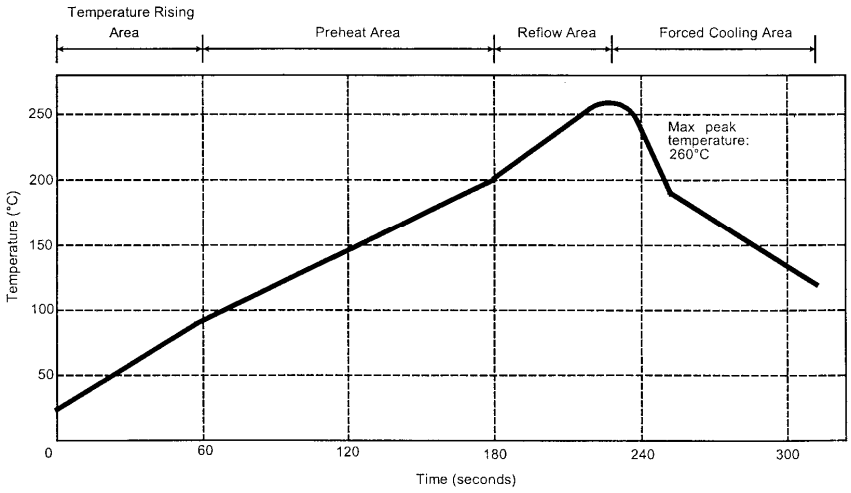
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type. Video camera is recommended for the positioning of the component. Adhesive agents must not be used on the receptacle.

3. Soldering by infra-red reflow.
   Below, please find the typical profile to use.

4. Cleaning of printed circuit boards.

5. Checking of solder joints and position of the component by visual inspection.

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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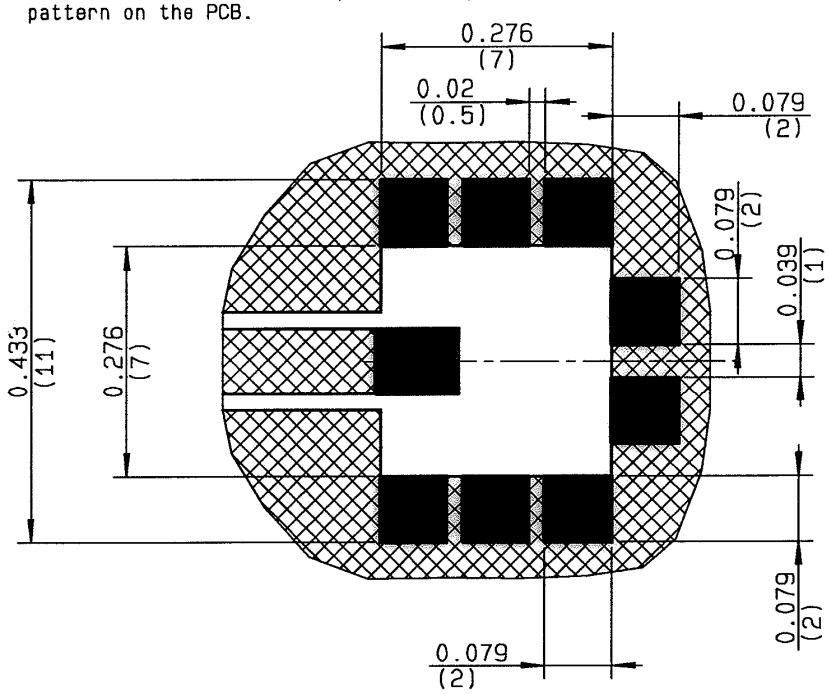
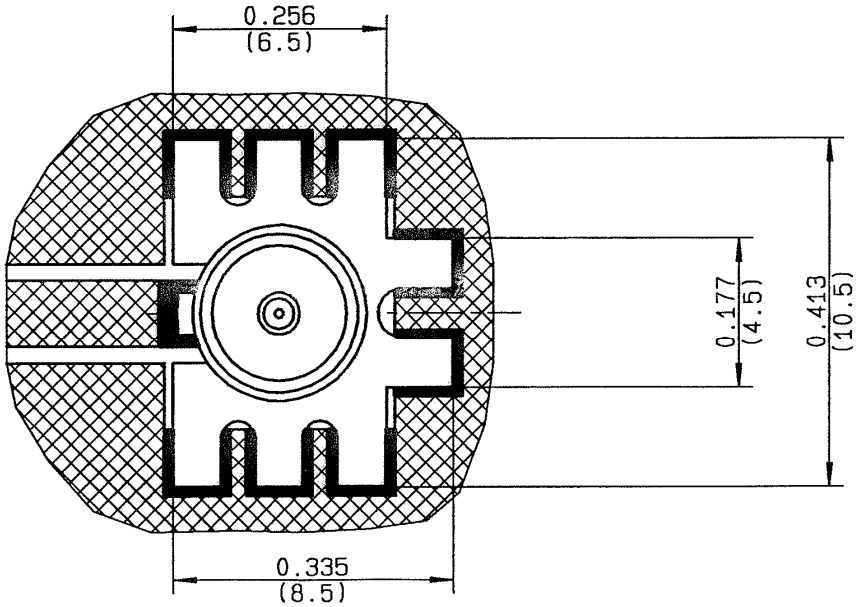
COPLANAR LINE
Pattern and signal are on the same side
Thickness of PCB : .047 (1.2 mm)
The material of PCB is the epoxy resin
of glass fabrics bacs.(Er = 4.8)
The solder resist should be printed exept for the land
pattern on the PCB.

BMA SERIES - INFORMATIONS



Land for solder

Pattern



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

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