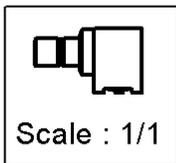
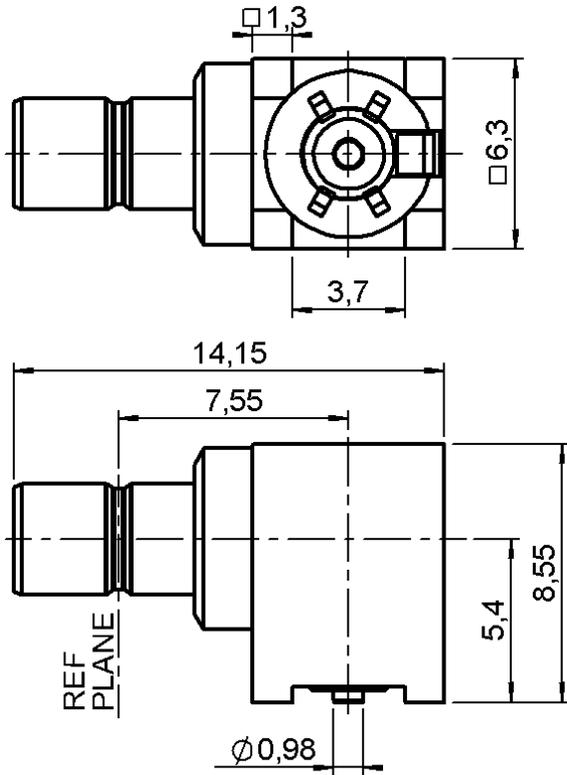


**R/A MALE RECEPTACLE FOR PCB**

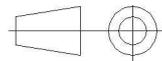
**R114.664.000**

**SMT TYPE**

Series : **SMB**



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRASS	GOLD 0.2 OVER NICKEL 2
CENTER CONTACT	BRASS	GOLD 1.3 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	PTFE	-
GASKET	-	-
OTHERS PARTS	BRASS	GOLD 0.2 OVER NICKEL 2
-	-	-
-	-	-

Issue : 0427 C

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



**R/A MALE RECEPTACLE FOR PCB**

**R114.664.000**

**SMT TYPE**

Series : **SMB**

**PACKAGING**

**SPECIFICATION**

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

**ELECTRICAL CHARACTERISTICS**

**ENVIRONMENTAL**

Impedance		<b>50</b> Ω
Frequency		<b>0-4</b> GHz
VSWR	<b>1.2 +</b>	<b>0.000</b> x F(GHz) Maxi
Insertion loss		<b>NA</b> √F(GHz) dB Maxi
RF leakage	- (	<b>NA</b> - F(GHz)) dB Maxi
Voltage rating		<b>335</b> Veff Maxi
Dielectric withstanding voltage		<b>1000</b> Veff mini
Insulation resistance		<b>1000</b> MΩ mini

Operating temperature	<b>-65/+165</b> ° C
Hermetic seal	<b>NA</b> Atm.cm3/s
Panel leakage	<b>NA</b>

**OTHERS CHARACTERISTICS**

Assembly instruction **NA**

Others :

\* Coaxial Transmission Line Only

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end	<b>10</b>	N mini
Axial force – Opposite end	<b>10</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>500</b>	Cycles mini
Weight	<b>2.640</b>	g

Issue : 0427 C

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**R/A MALE RECEPTACLE FOR PCB**

**R114.664.000**

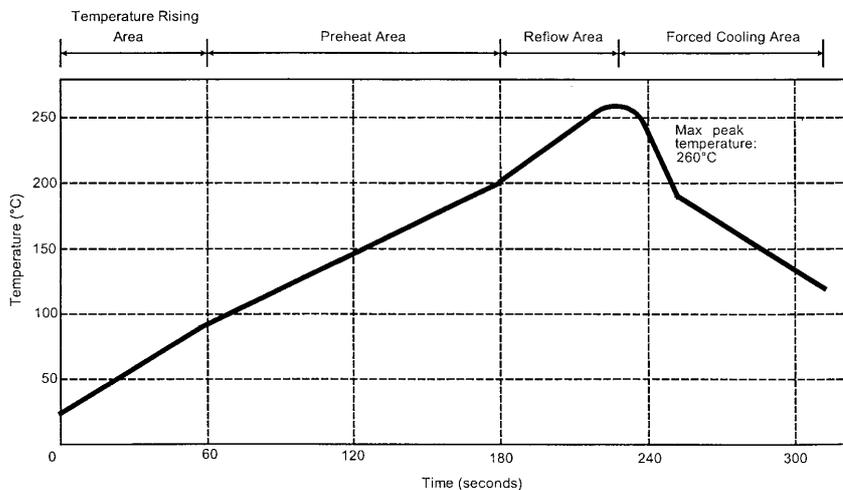
**SMT TYPE**

Series : **SMB**

**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. 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 by CFC solvents (or a substitute product according the United Nation's environmental program)
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

**Issue : 0427 C**

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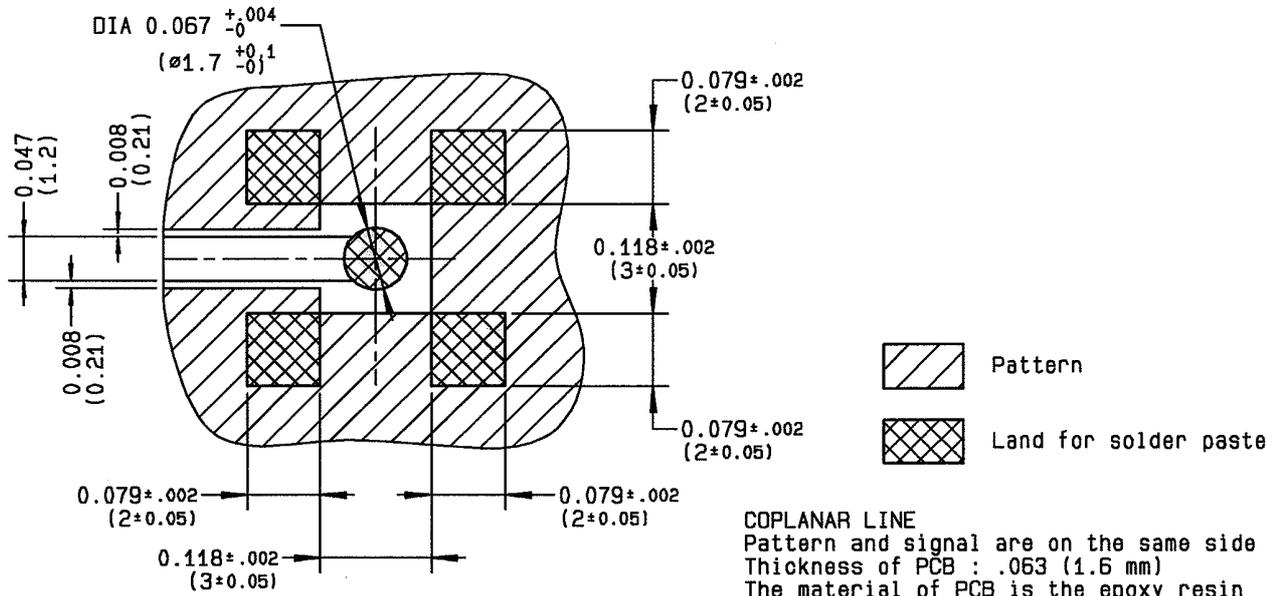
R/A MALE RECEPTACLE FOR PCB

**R114.664.000**

SMT TYPE

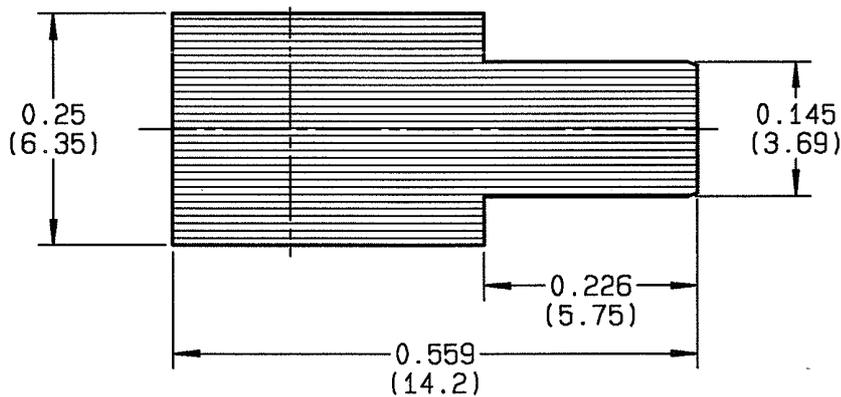
Series : SMB

**SMB SERIES - INFORMATIONS**



**COPLANAR LINE**  
 Pattern and signal are on the same side  
 Thickness of PCB : .063 (1.6 mm)  
 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 SMB RECEPTACLE FOR VIDEO CAMERA**



Issue : 0427 C

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