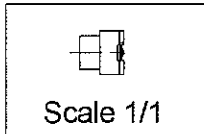
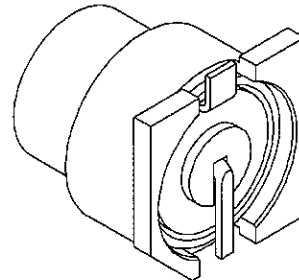
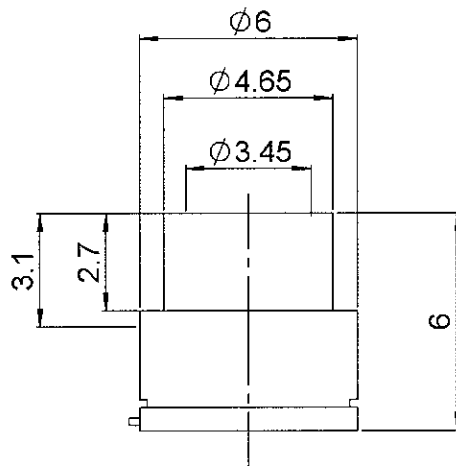
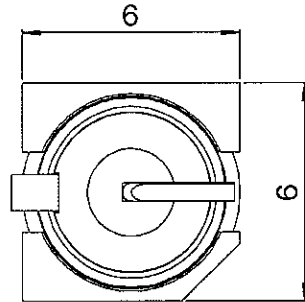


REEL OF 900 SWITCHS SMT

**R299.137.801**

Series : **DIVERS**



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	BRASS	GOLD 0.2 OVER NICKEL 2
CENTER CONTACT	BRASS	GOLD 0.5 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	POLYSULFURE DE PHENYLENE	-
GASKET	-	-
OTHERS PARTS	STAINLESS STEEL	-
-	-	-
-	-	-

Issue : 0722 F

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



REEL OF 900 SWITCHS SMT

**R299.137.801**

Series : **DIVERS**

**PACKAGING**

Standard	Unit	Other
<b>900</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION**

**ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-4*</b>	GHz
VSWR	<b>1.4 + 0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.2</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (	- F(GHz)) dB Maxi
Voltage rating	<b>100</b>	Veff Maxi
Dielectric withstanding voltage	<b>350</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

**ENVIRONMENTAL**

Operating temperature	<b>-40/+110</b>	$^{\circ}$ C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**OTHER CHARACTERISTICS**

Assembly instruction

Others :

isol. between 2 ways:-25 dBmin at 2 GHz

\*Usable 0 to 6GHz

**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

Recommended torque

Mating	<b>NA</b>	N.cm
Panel nut	<b>NA</b>	N.cm

Mating life	<b>80000</b>	Cycles mini
Weight	<b>0,5260</b>	g

Issue : 0722 F

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REEL OF 900 SWITCHS SMT

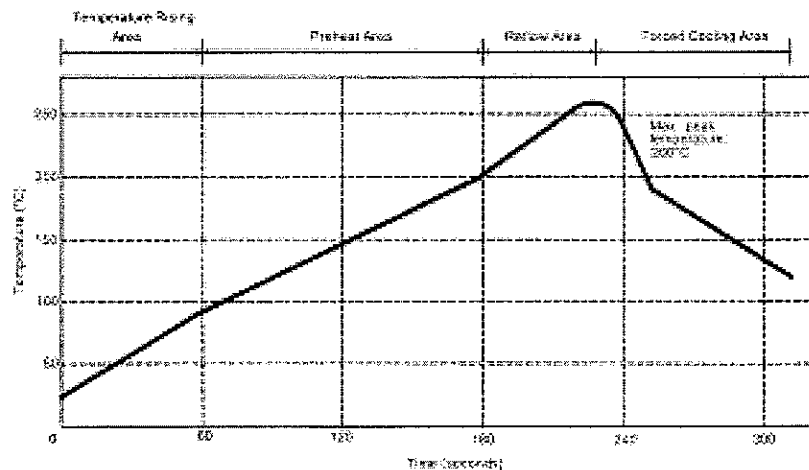
**R299.137.801**

Series : **DIVERS**

**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 150 microns mini ( 0.006 inch mini ). 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

Issue : 0722 F

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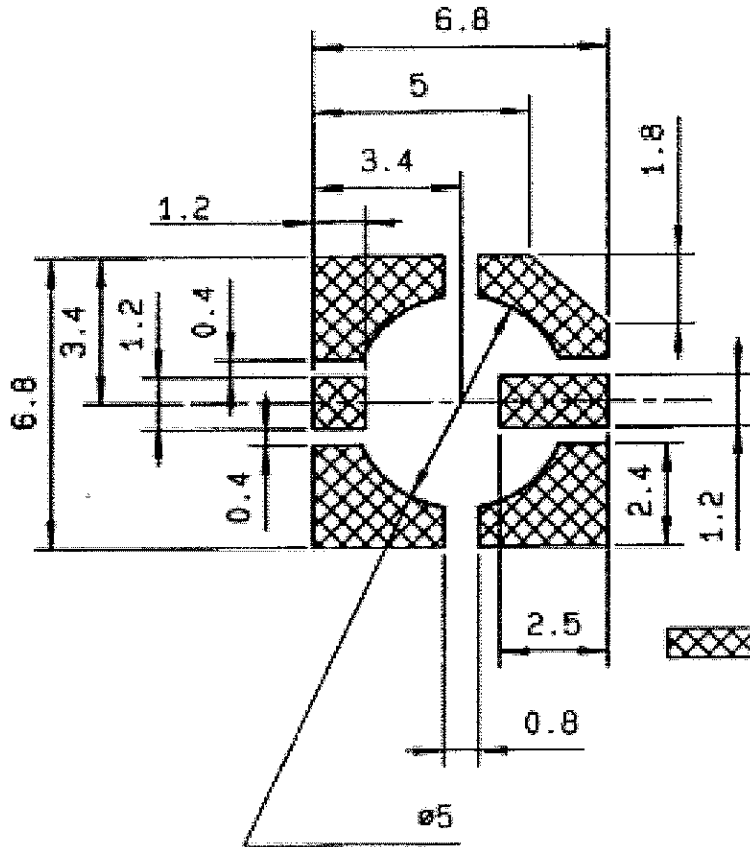
**RADIALL**®

REEL OF 900 SWITCHS SMT


**R299.137.801**

Series : **DIVERS**

**STRAIGHT SWITCH CMS**



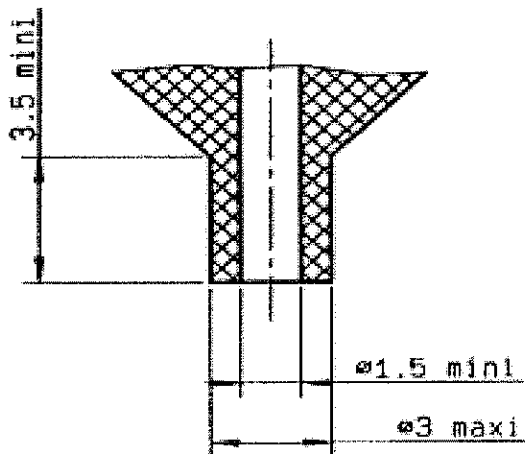
6.8 x 6.8 square  
or 6.8 diameter.

 Turned copper (Land for solder paste)

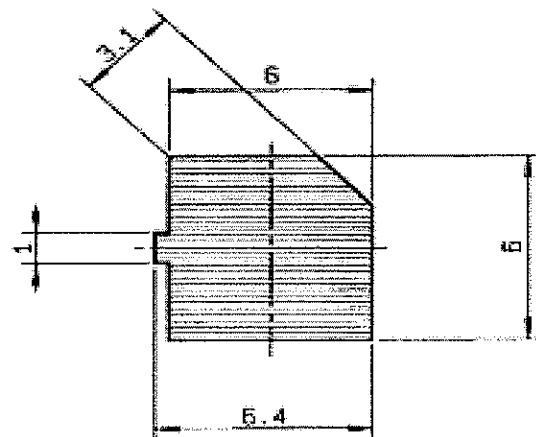
Line : Coper thickness 18 microns.  
PCB thickness : 0.063 (1.6).  
General tolerance  $\pm 0.0016$

Matiere : FR4 simple face

**AIR SUNCTION  
CAMERA**



**SHADOW FOR VIDEO**



Issue : 0722 F

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**RADIALL**®

REEL OF 900 SWITCHS SMT

**R299.137.801**

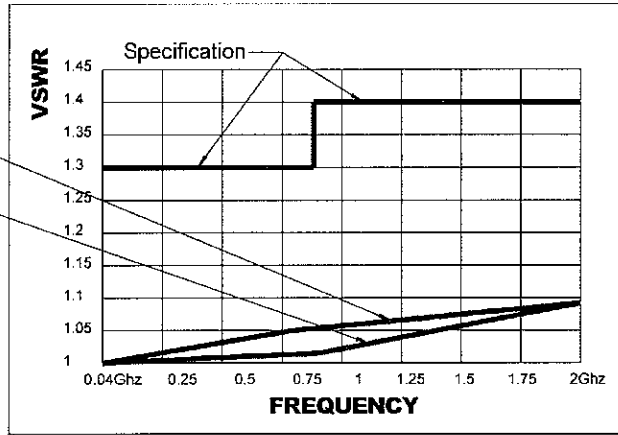
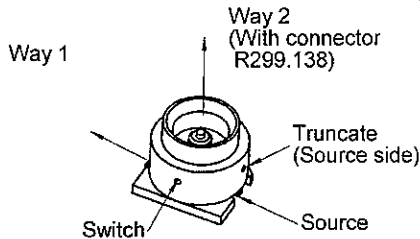
Series : **DIVERS**

**VSWR 1.3 max unmated**  
**VSWR 1.4 max mated**

**STRAIGHT SWITCH CMS**

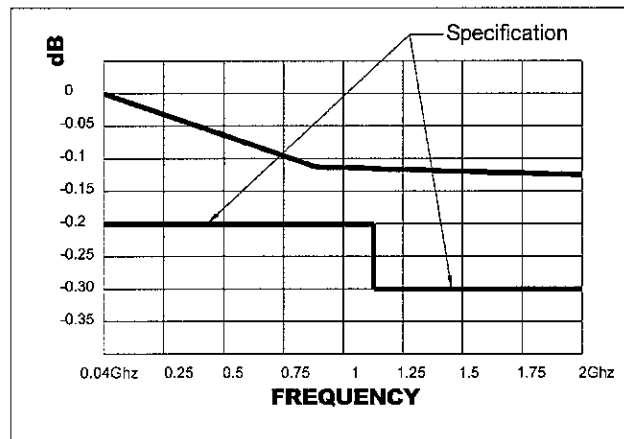
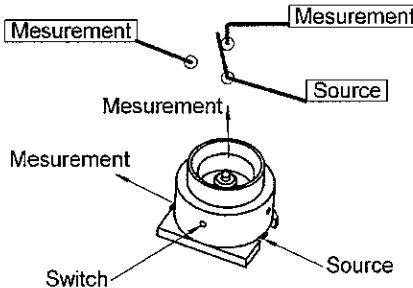
**VSWR**  
**(Measured performance)**

Switch connected with R299.138  
Auxiliary antenna .Way 2  
Switch alone (no connected)  
Mobile phone antenna .Way 1



**INSERTION LOSS**  
**(Measured performance)**

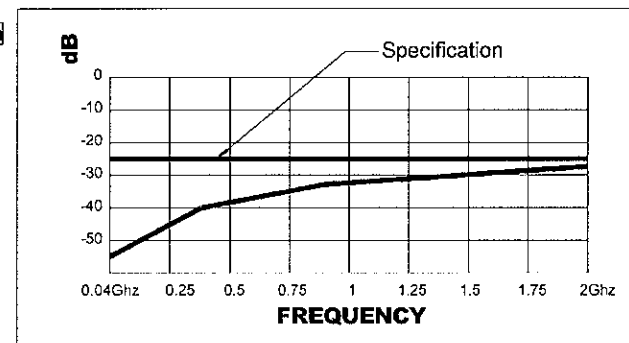
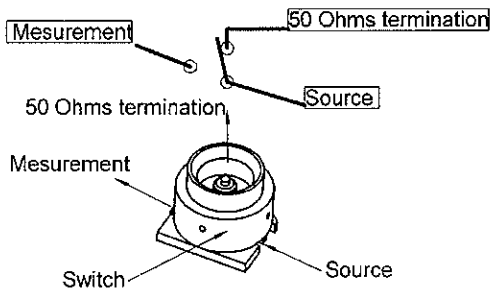
Switch connected with R299.138



**0-2 Ghz --> - .2dBmax. unmated**  
**--> - .3dB max mated**

**ISOLATION**  
**(Measured performance)**

Switch connected with R299.138



**0-2 Ghz --> -25dB Max**

**STRAIGHT SWITCH CMS**

Issue : 0722 F

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