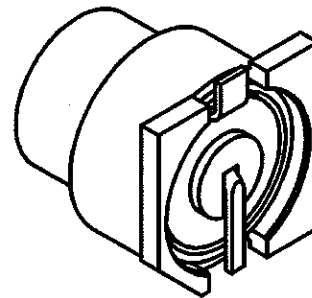
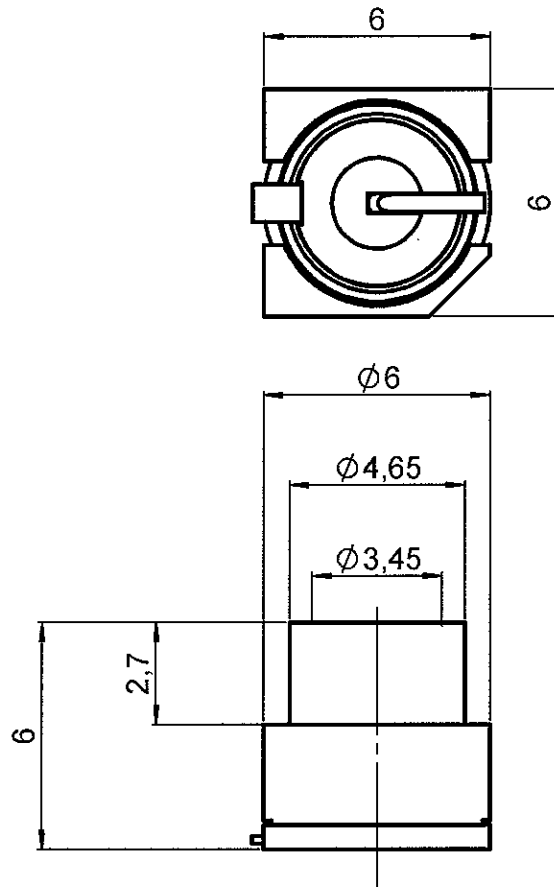


REEL OF 200 SWITCHS SMT

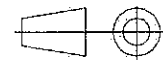
**R299.137.800**

Series : **DIVERS**



Scale 1/1

All dimensions are in mm.



| COMPONENTS     | MATERIALS                | PLATING ( $\mu\text{m}$ ) |
|----------------|--------------------------|---------------------------|
| 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 : 0602 F

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



**RADIALL**®

REEL OF 200 SWITCHES SMT

**R299.137.800**

Series : DIVERS

**PACKAGING**

| Standard | Unit       | Other      |
|----------|------------|------------|
| 200      | 'W' option | Contact us |

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

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

**ENVIRONMENTAL**

|                       |              |
|-----------------------|--------------|
| Operating temperature | -40/+110 °C  |
| Hermetic seal         | NA Atm.cm3/s |
| Panel leakage         | NA           |

**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   | NA N mini         |
| Axial force – Opposite end | NA N mini         |
| Torque                     | NA N.cm mini      |
| Recommended torque         |                   |
| Mating                     | NA N.cm           |
| Panel nut                  | NA N.cm           |
| Mating life                | 80000 Cycles mini |
| Weight                     | 0,0980 g          |

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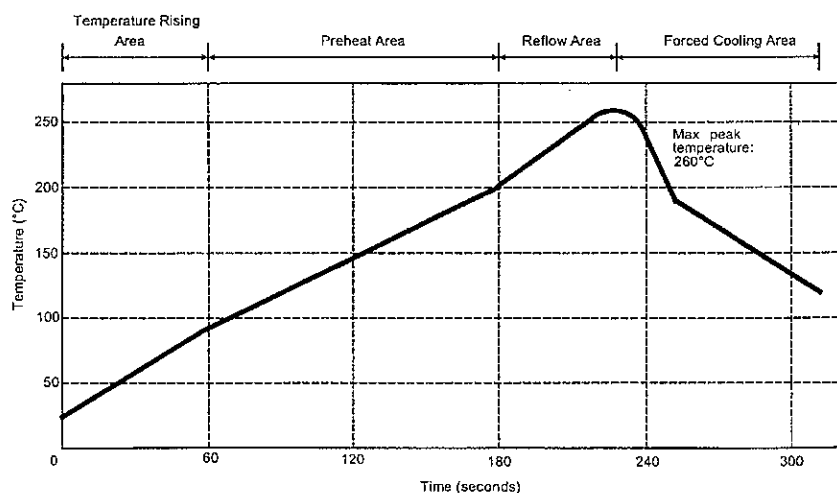
REEL OF 200 SWITCHS SMT

**R299.137.800**

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 : 0602 F

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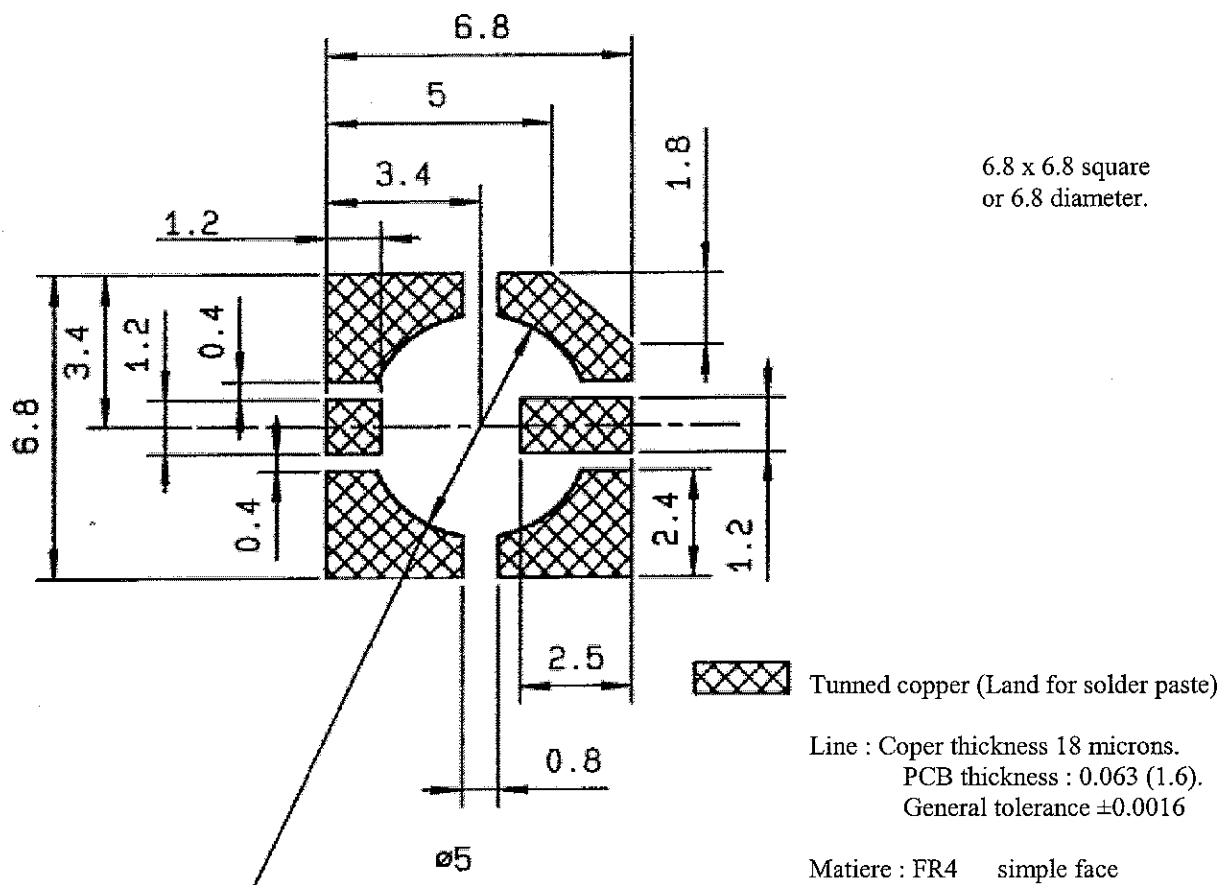
**RADIALL®**

REEL OF 200 SWITCHS SMT

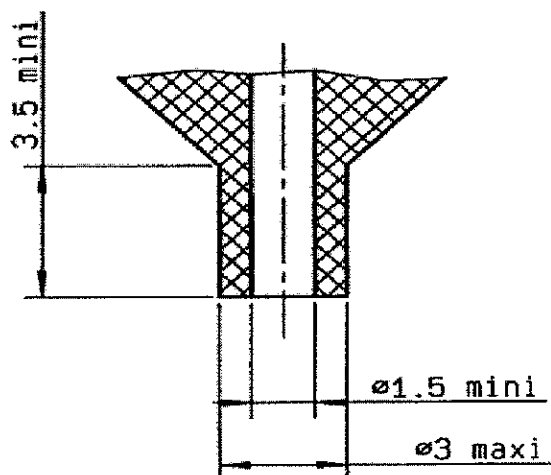
**R299.137.800**

Series : **DIVERS**

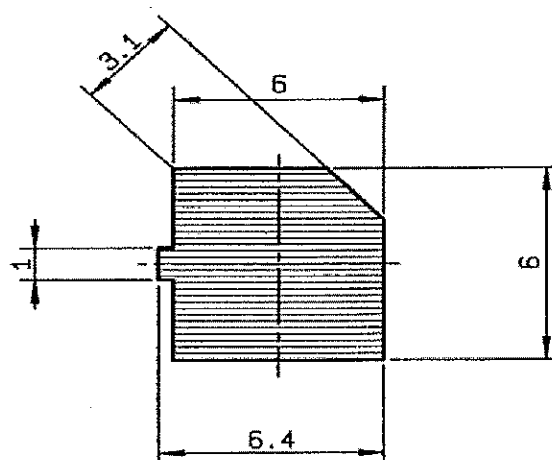
STRAIGHT SWITCH CMS



AIR SUNCTION



SHADOW FOR VIDEO CAMERA



Issue : 0602 F

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REEL OF 200 SWITCHS SMT

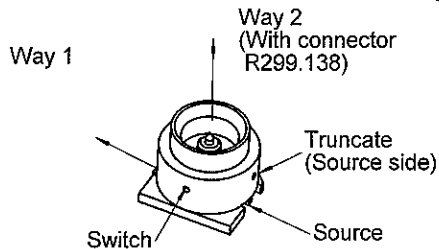
**R299.137.800**

Series : DIVERS

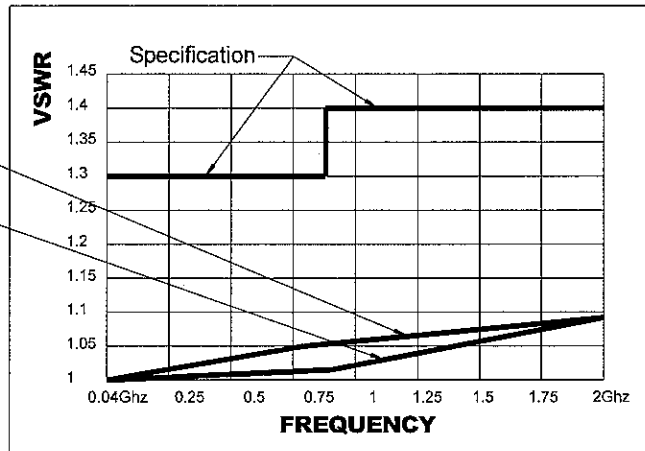
**VSWR 1.3 max unmated**  
**VSWR 1.4 max mated**

### VSWR (Measured performance)

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

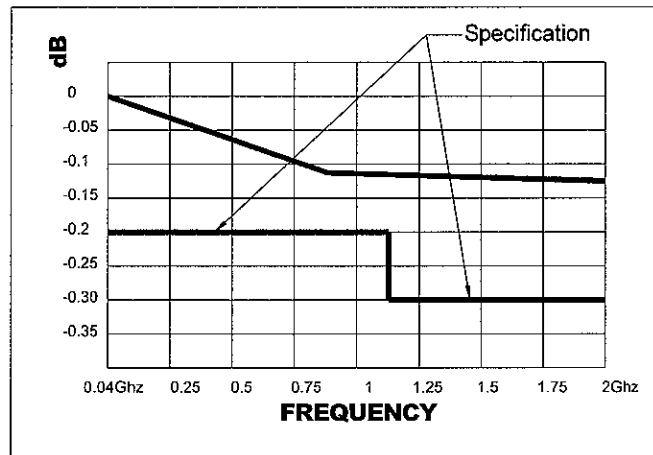
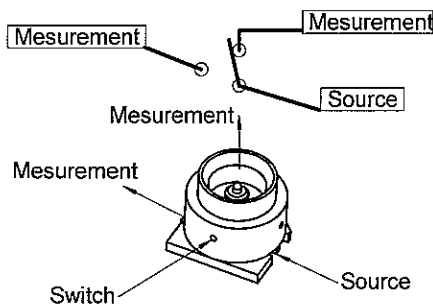


### STRAIGHT SWITCH CMS



### INSERTION LOSS (Measured performance)

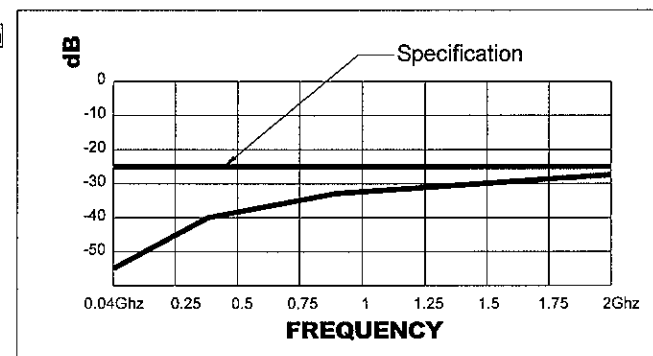
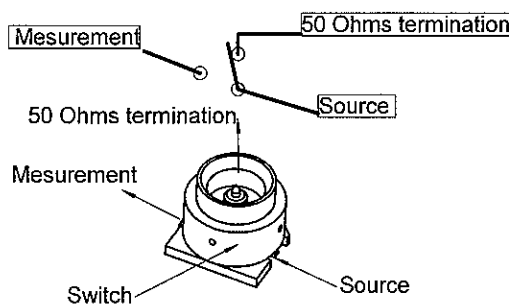
Switch connected with R299.138



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

### ISOLATION (Measured performance)

Switch connected with R299.138



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

Issue : 0602 F

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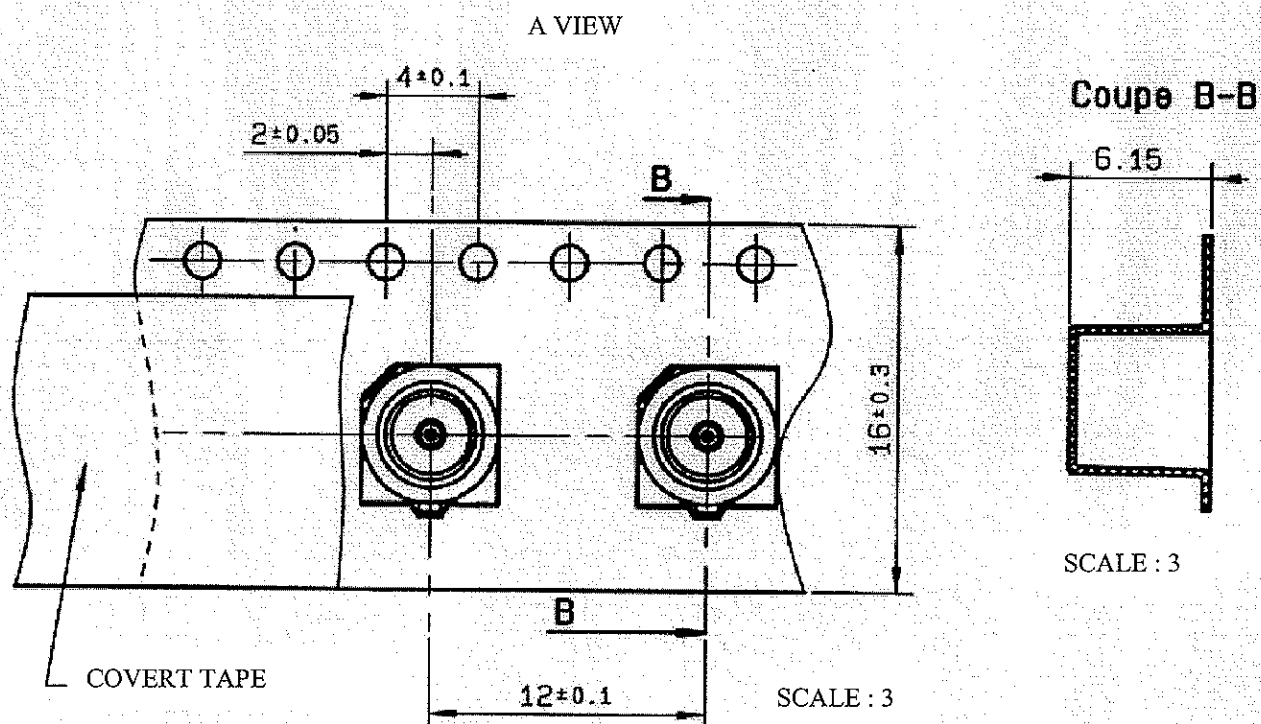
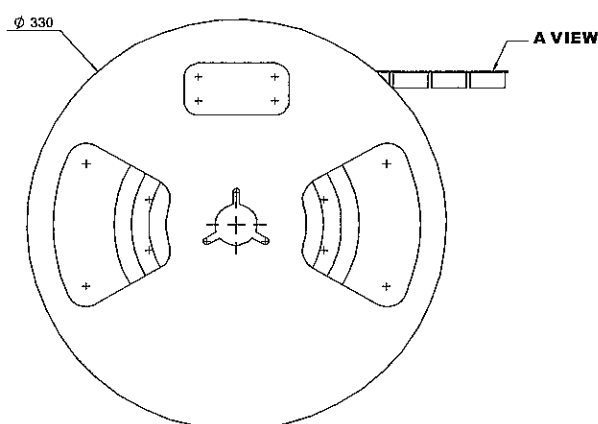


**RADIALL®**

REEL OF 200 SWITCHES SMT

**R299.137.800**

Series : DIVERS

**STRAIGHT SWITCH CMS**

Issue : 0602 F

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**RADIALL®**



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

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