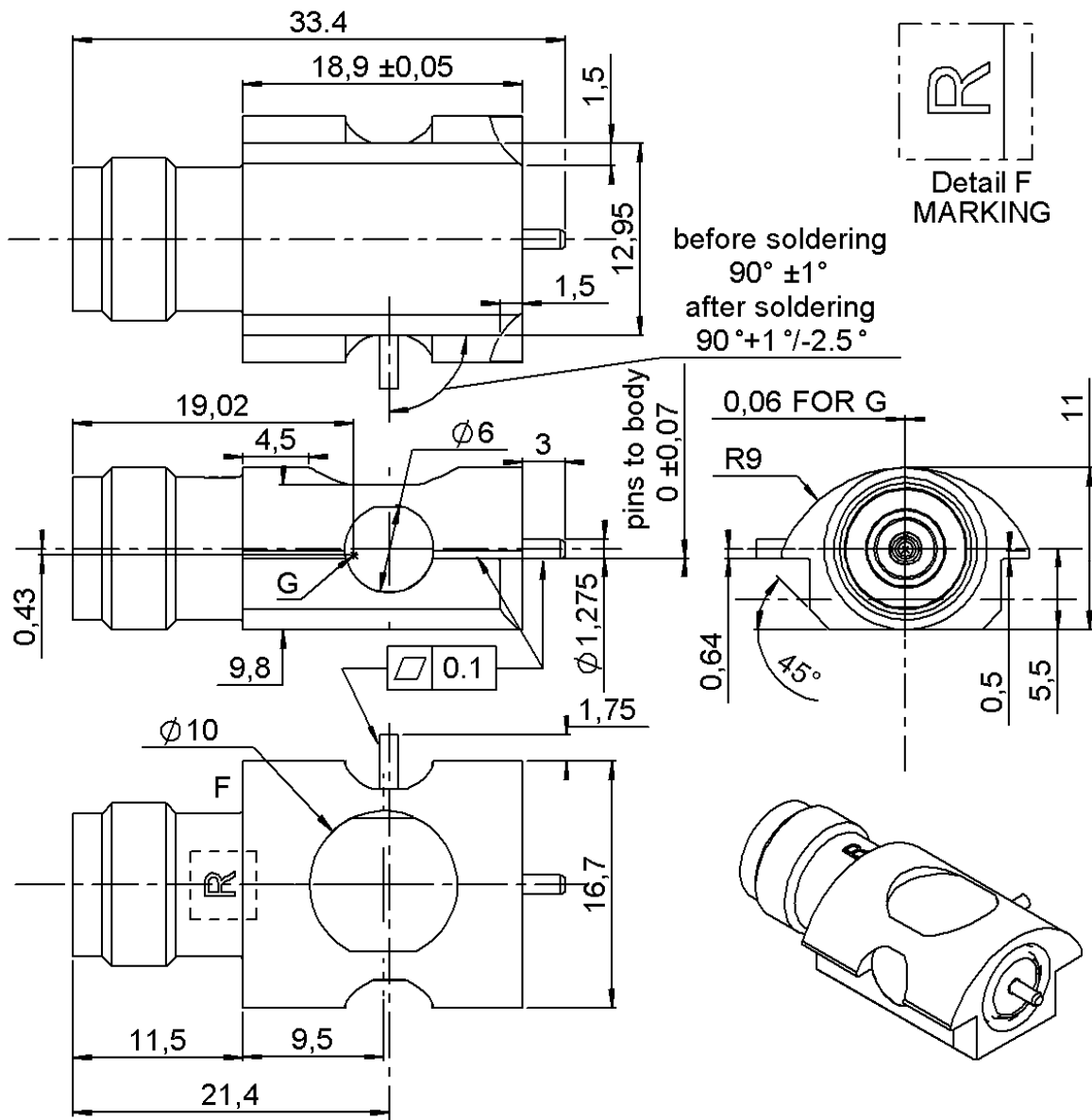


**TNC SWITCH-EDGE CARD-SMT LEFT TYPE**

**PACKAGING IN REEL 110**

**R143.422.947**

Series : TNC



All dimensions are in mm.

| COMPONENTS     | MATERIALS        | PLATING (µm) |
|----------------|------------------|--------------|
| BODY           | BRASS            | NPGR         |
| CENTER CONTACT | BERYLLIUM COPPER | NPGR         |
| OUTER CONTACT  | BRASS            | NPGR         |
| INSULATOR      | PEEK             |              |
| GASKET         | -                |              |
| OTHERS PARTS   | BRASS            | NPGR         |
| -              | -                | -            |
| -              | -                | -            |

Issue : 0823 D

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**TNC SWITCH-EDGE CARD-SMT LEFT TYPE****R143.422.947****PACKAGING IN REEL 110**

Series : TNC

**PACKAGING**

| Standard   | Unit              | Other             |
|------------|-------------------|-------------------|
| <b>110</b> | <b>‘W’ option</b> | <b>Contact us</b> |

**SPECIFICATION****1301-RNT 408 4010 UEN rev C****ELECTRICAL CHARACTERISTICS**

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Impedance                       | <b>50</b> $\Omega$                  |
| Frequency                       | <b>DC-3</b> GHz                     |
| VSWR                            | <b>1.1 + 0,1000</b> x F(GHz) Maxi   |
| Isolation at DC to 1 Ghz        | <b>-47</b> DB Typical               |
| Isolation at 1 to 2 Ghz         | <b>-43</b> DB Typical               |
| Isolation at 2 to 3 Ghz         | <b>-40</b> DB Typical               |
| Insertion loss DC to 1 Ghz      | <b>0.1</b> $\sqrt{F}$ (GHz) dB Maxi |
| Insertion loss 1 to 2 Ghz       | <b>0.15</b> dB Maxi                 |
| Insertion loss 2 to 3 Ghz       | <b>0.2</b> dB Maxi                  |
| RF leakage                      | <b>NA</b> - F(GHz)) dB Maxi         |
| Voltage rating                  | <b>300</b> Veff Maxi                |
| Dielectric withstanding voltage | <b>500</b> Veff mini                |
| Insulation resistance           | <b>5000</b> M $\Omega$ mini         |
| Power withstanding              | <b>80</b> W at 0.9 Ghz              |
|                                 | <b>50</b> W at 1.9 Ghz              |

**ENVIRONMENTAL**

|                       |                     |
|-----------------------|---------------------|
| Operating temperature | <b>-40/+85</b> ° C  |
| Hermetic seal         | <b>NA</b> Atm.cm3/s |
| Panel leakage         | <b>NA</b>           |

**OTHERS CHARACTERISTICS**

Assembly instruction

Others :  
 Action Mating Force :  
 20 N max  
 15 N min

(1) Do not apply force on the center contac before  
 Mounting the switch on PCB

**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    |
| Axial force side pin       | <b>(1)</b>             |
| Recommended torque         |                        |
| Mating                     | <b>22</b> N.cm         |
| Panel nut                  | <b>NA</b> N.cm         |
| Mating life                | <b>100</b> Cycles mini |
| Weight                     | <b>20,9800</b> g       |

Issue : 0823 D

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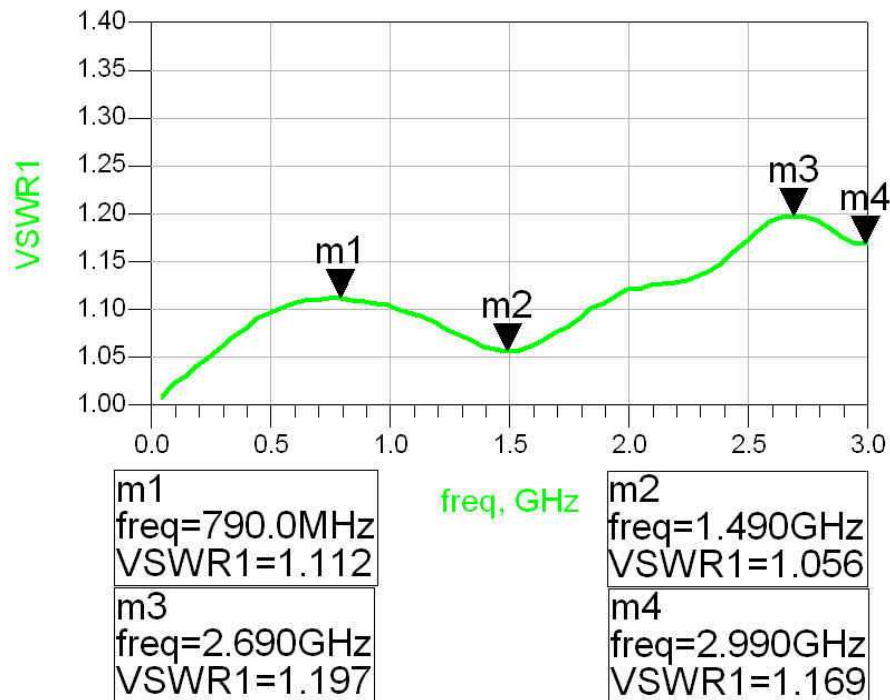
## TNC SWITCH-EDGE CARD-SMT LEFT TYPE

## PACKAGING IN REEL 110

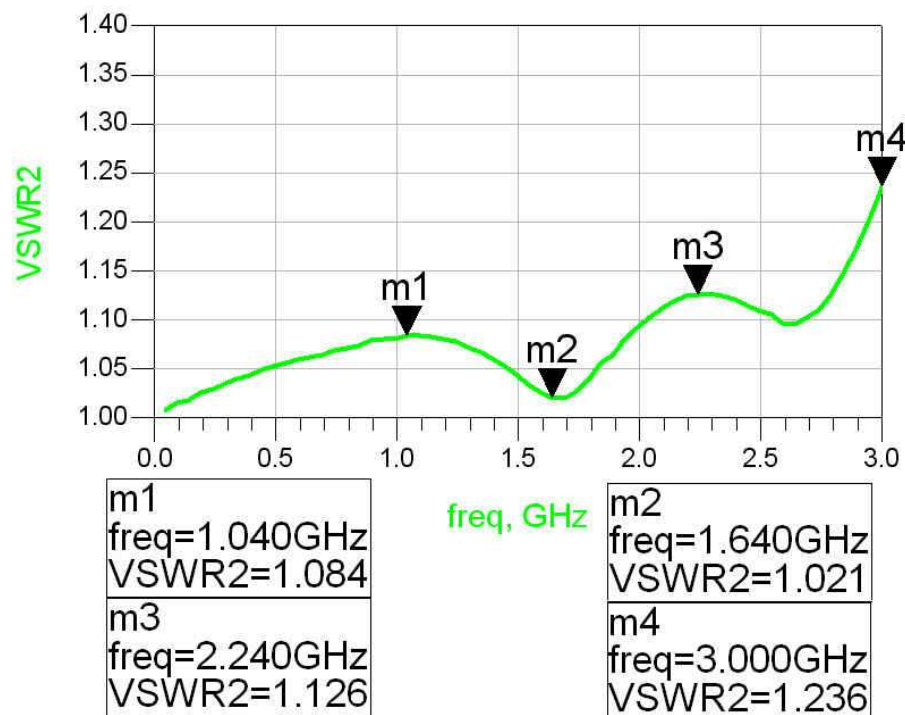
**R143.422.947**

Series : TNC

VSWR direct line



VSWR switched line



Issue : 0823 D

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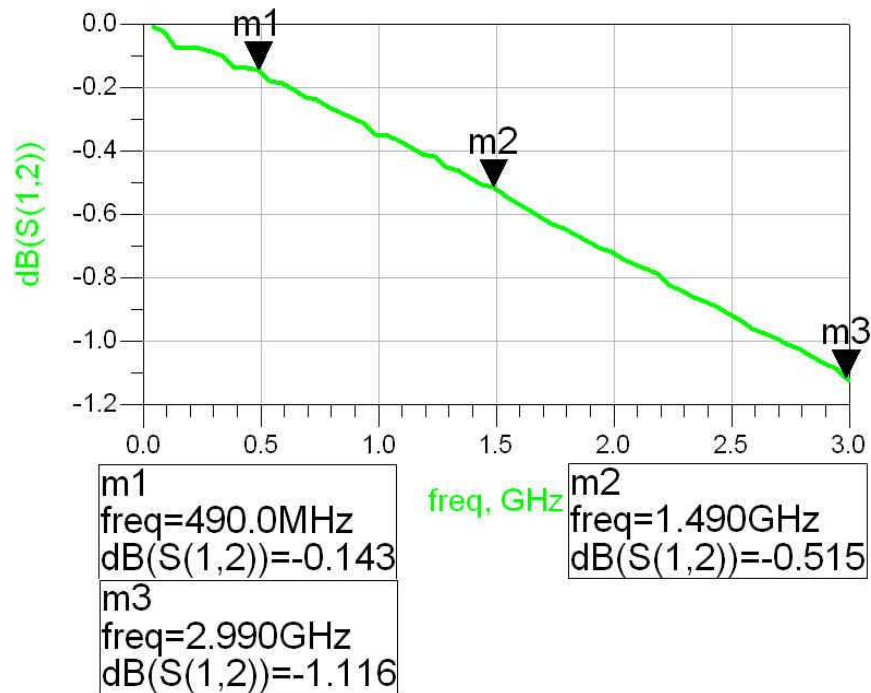
## TNC SWITCH-EDGE CARD-SMT LEFT TYPE

**R143.422.947**

PACKAGING IN REEL 110

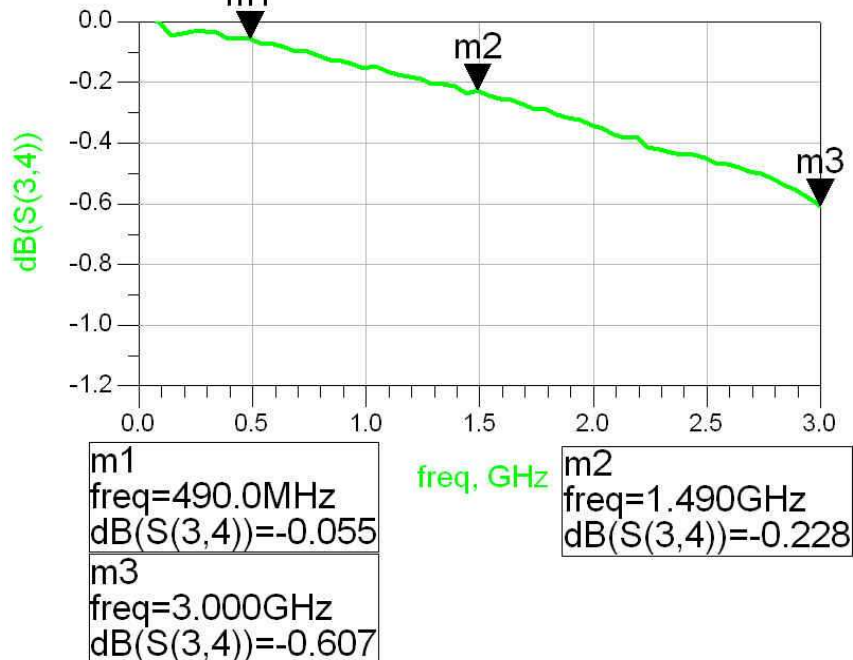
Series : TNC

Insertion loss direct line



the measurement includes the insertion loss due to the test board and connectors

Insertion loss switched line



the measurement includes the insertion loss due to the test board and connectors

Issue : 0823 D

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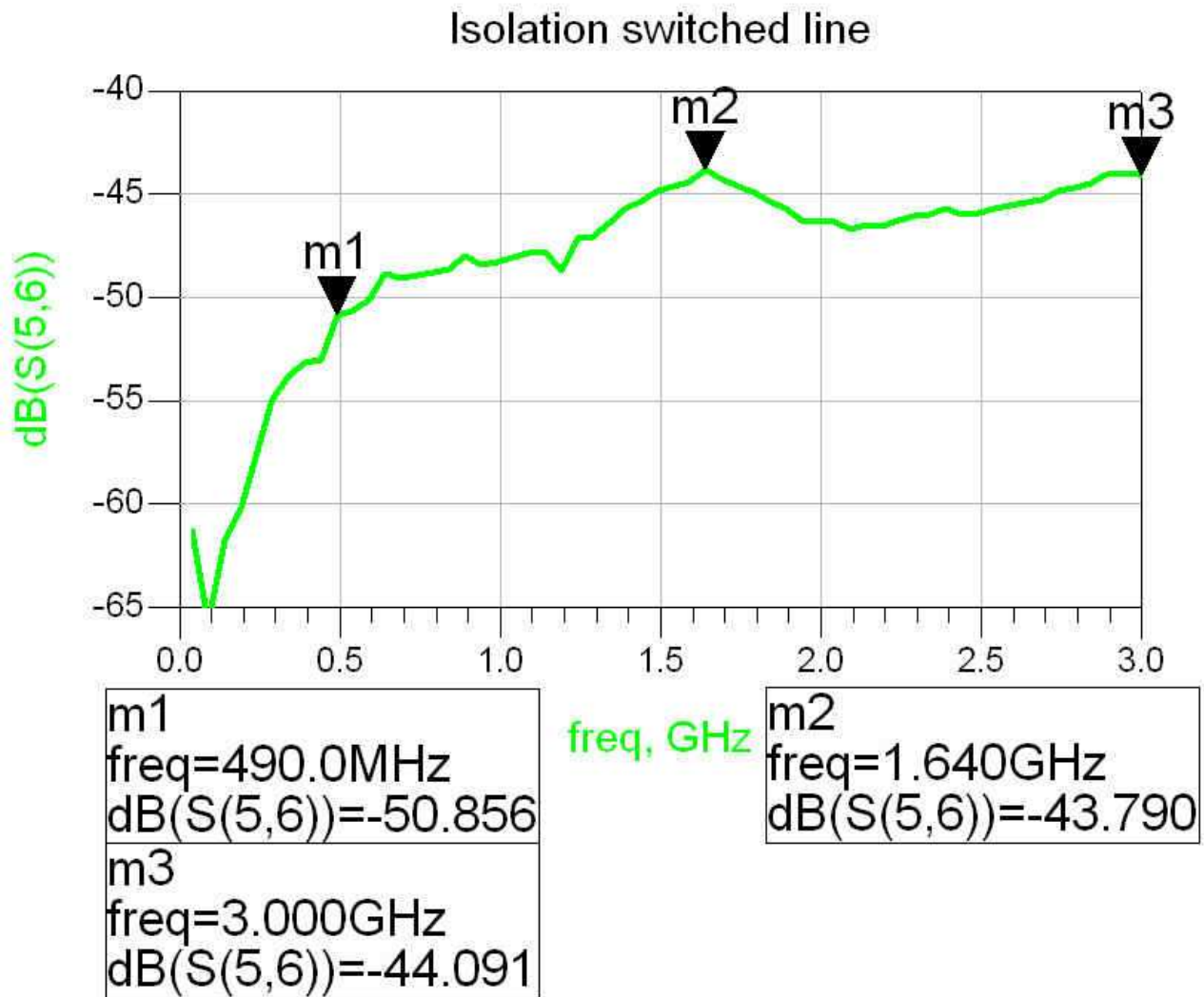


TNC SWITCH-EDGE CARD-SMT LEFT TYPE

PACKAGING IN REEL 110

**R143.422.947**

Series : TNC



Issue : 0823 D

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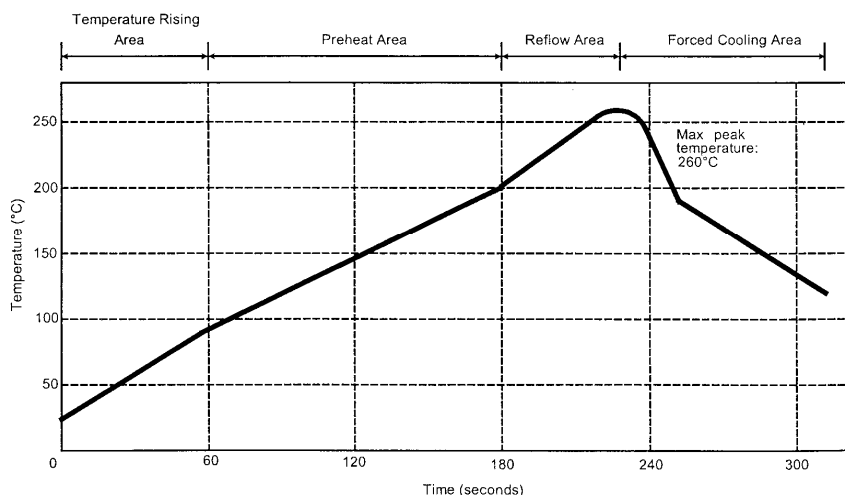
**TNC SWITCH-EDGE CARD-SMT LEFT TYPE****PACKAGING IN REEL 110****R143.422.947**

Series : TNC

**SOLDER PROCEDURE**

1. Deposit 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 microm ( 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 .
5. Verification of solder joints and position of the component by visual inspection.

**NOTE** : The receptacle and the plug must not be mated before completion of this procedure

**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 : 0823 D

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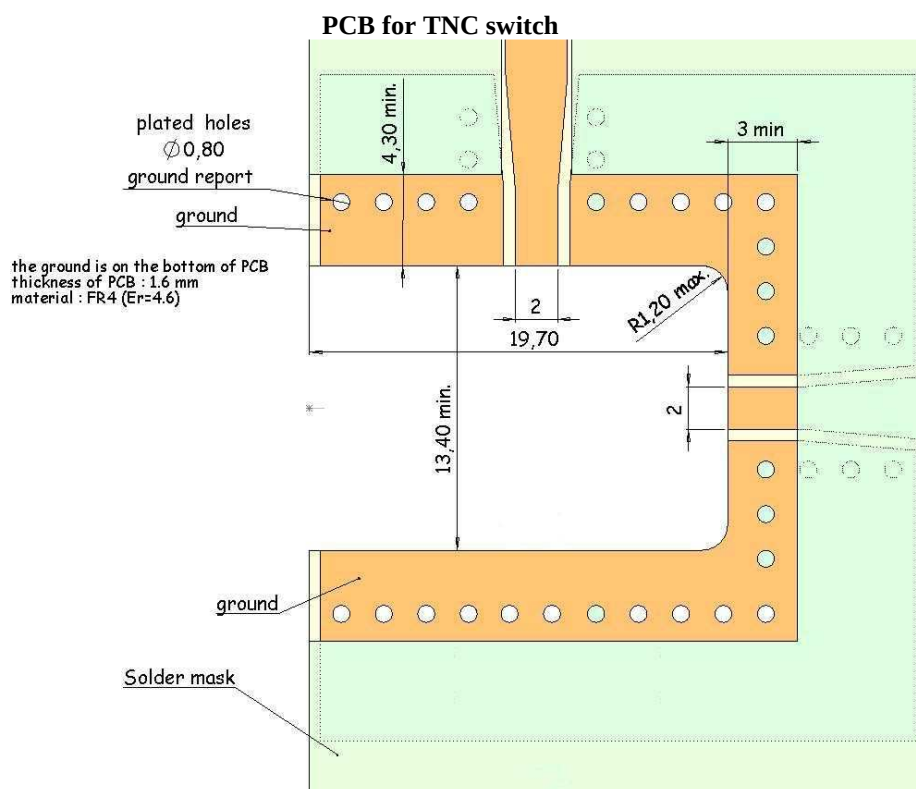


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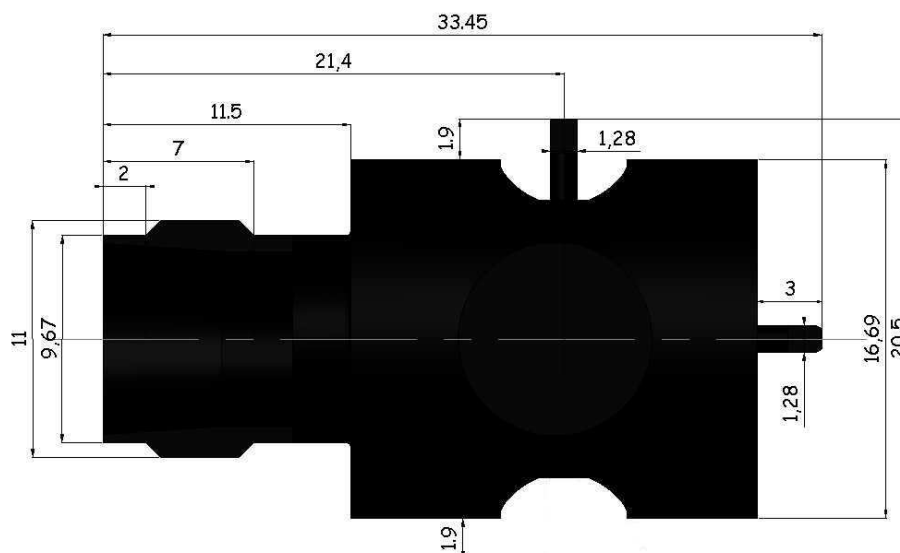
**R143.422.947**

PACKAGING IN REEL 110

Series : TNC



Shadow of TNC switch for video camera



Issue : 0823 D

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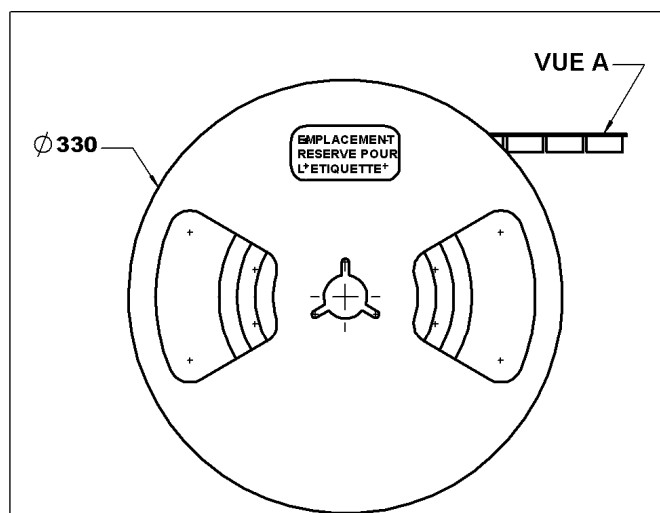


## TNC SWITCH-EDGE CARD-SMT LEFT TYPE

## PACKAGING IN REEL 110

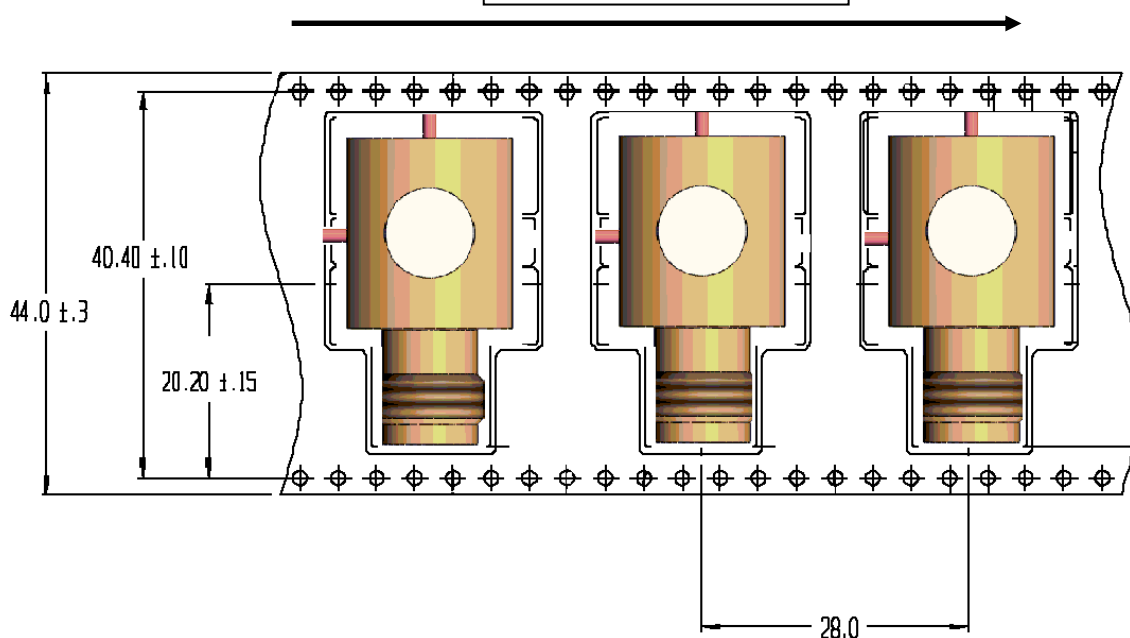
**R143.422.947**

Series : TNC



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TAPE FEED DIRECTION



Issue : 0823 D

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## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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