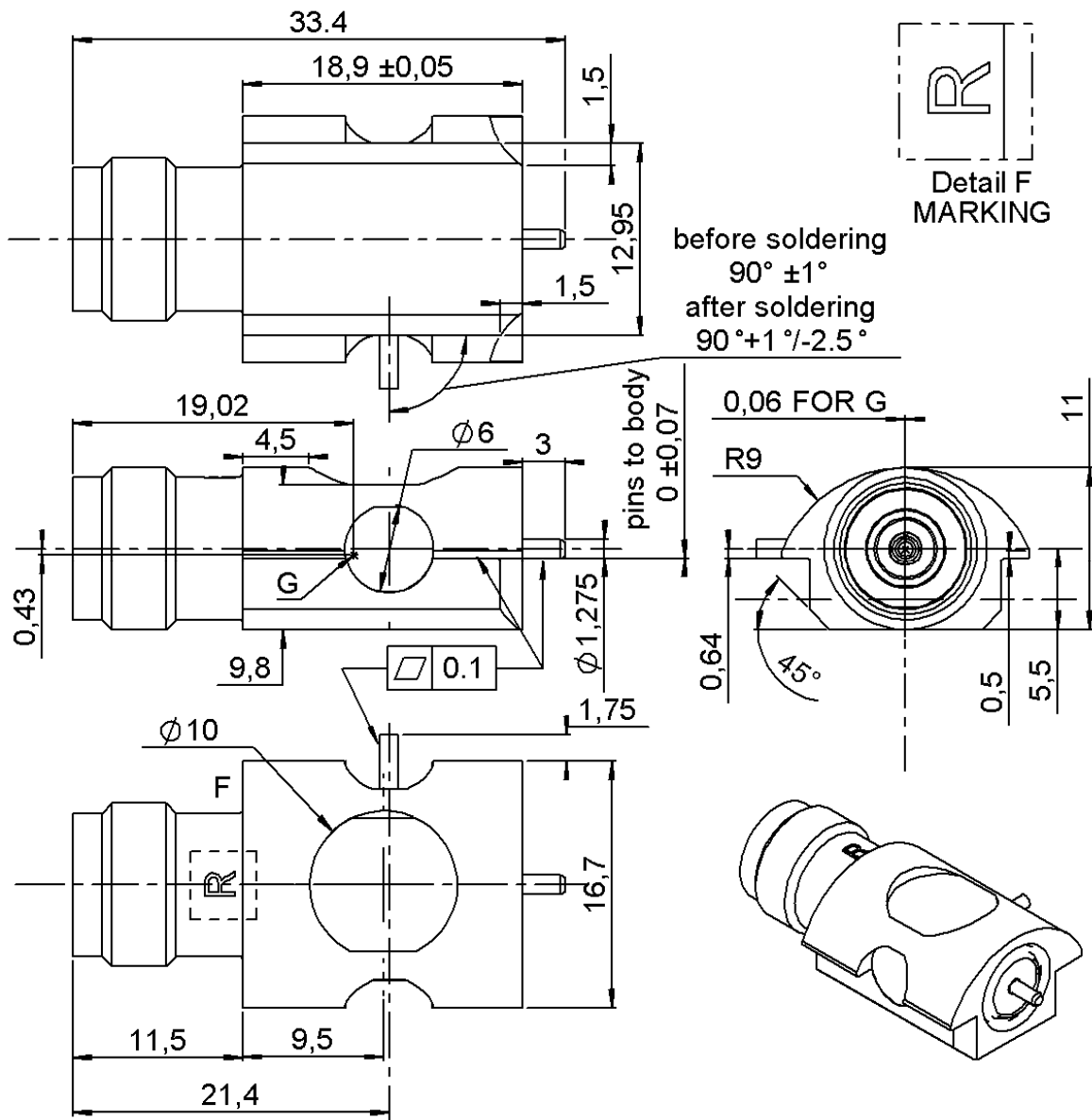


TNC SWITCH-EDGE CARD-SMT LEFT TYPE

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
110	'W' option	Contact us

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

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

ENVIRONMENTAL

Operating temperature	-40/+85	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

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	NA N mini
Axial force – Opposite end	NA N mini
Torque	NA N.cm mini
Axial force side pin	(1)
Recommended torque	
Mating	22 N.cm
Panel nut	NA N.cm
Mating life	100 Cycles mini
Weight	20,9800 g

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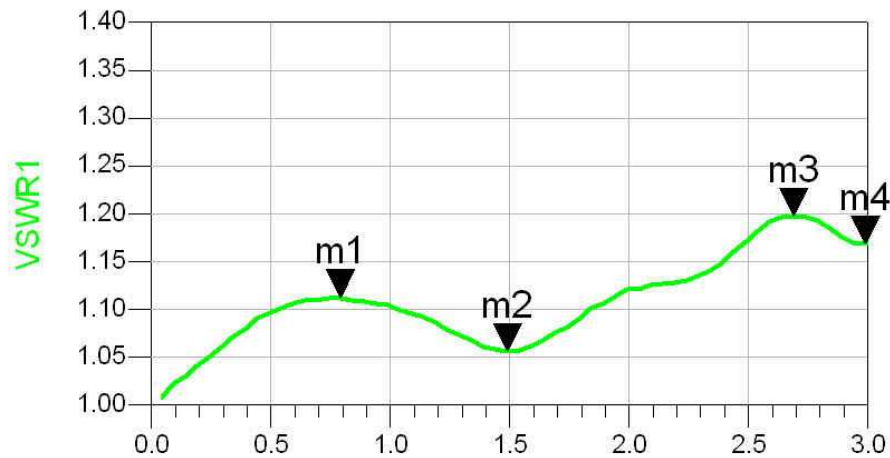
TNC SWITCH-EDGE CARD-SMT LEFT TYPE

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R143.422.947

Series : TNC

VSWR direct line



m1
freq=790.0MHz
VSWR1=1.112

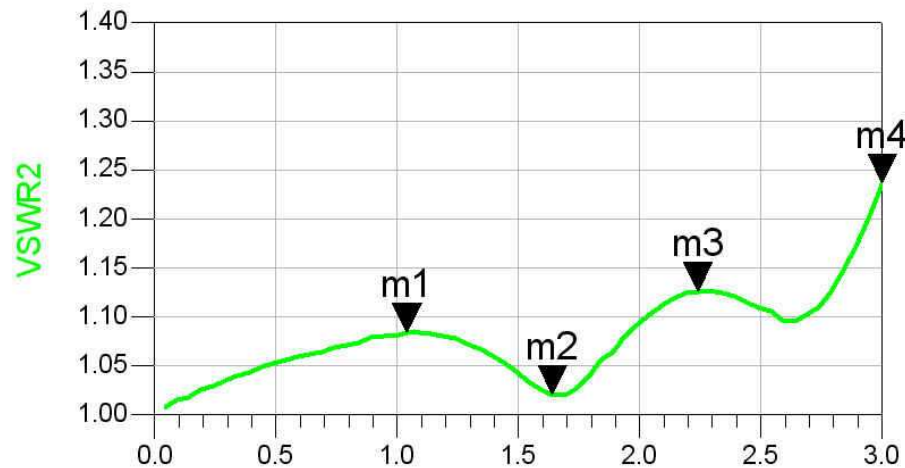
freq, GHz

m2
freq=1.490GHz
VSWR1=1.056

m3
freq=2.690GHz
VSWR1=1.197

m4
freq=2.990GHz
VSWR1=1.169

VSWR switched line



m1
freq=1.040GHz
VSWR2=1.084

freq, GHz

m2
freq=1.640GHz
VSWR2=1.021

m3
freq=2.240GHz
VSWR2=1.126

m4
freq=3.000GHz
VSWR2=1.236

Issue : 0823 D

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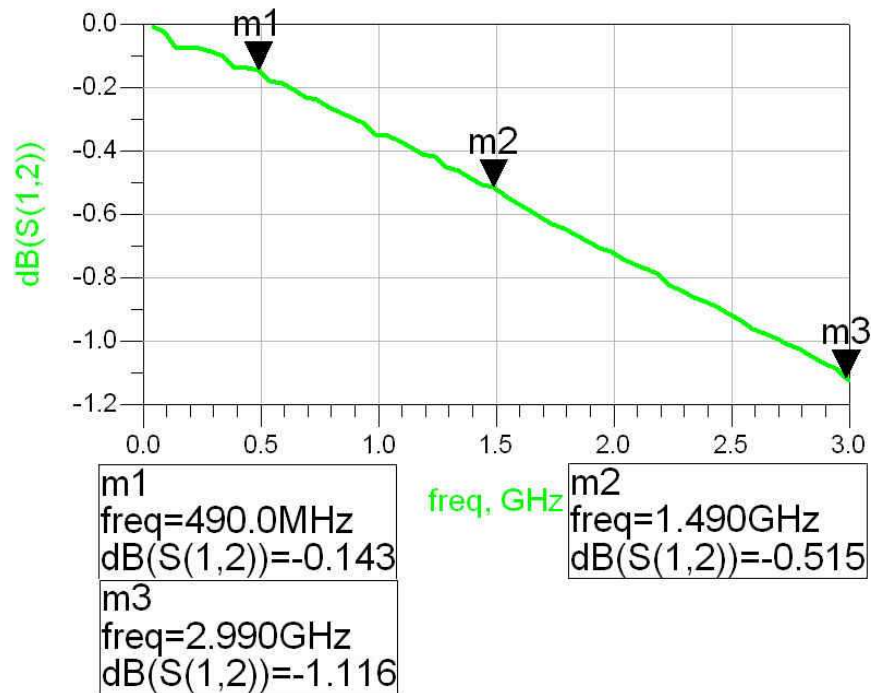
TNC SWITCH-EDGE CARD-SMT LEFT TYPE

R143.422.947

PACKAGING IN REEL 110

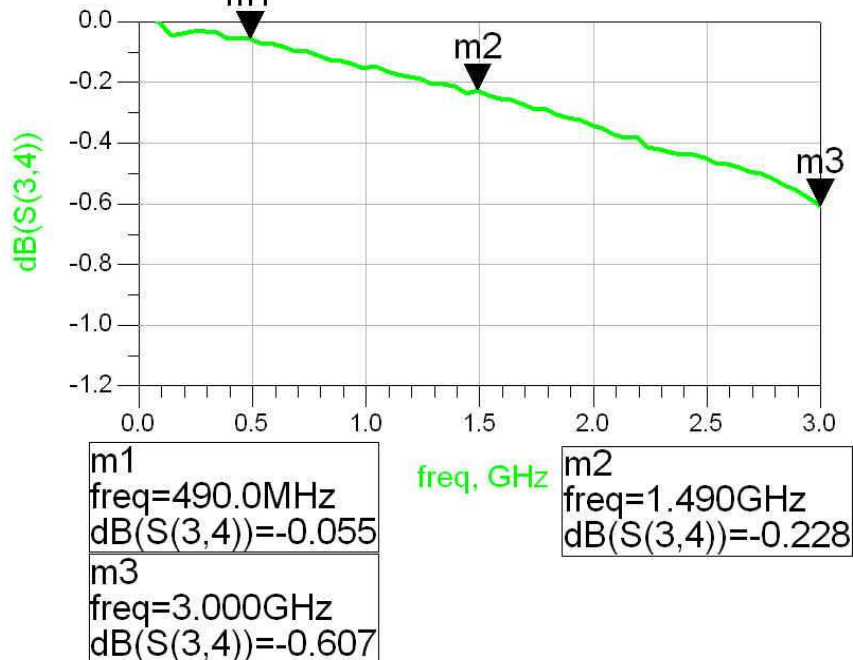
Series : TNC

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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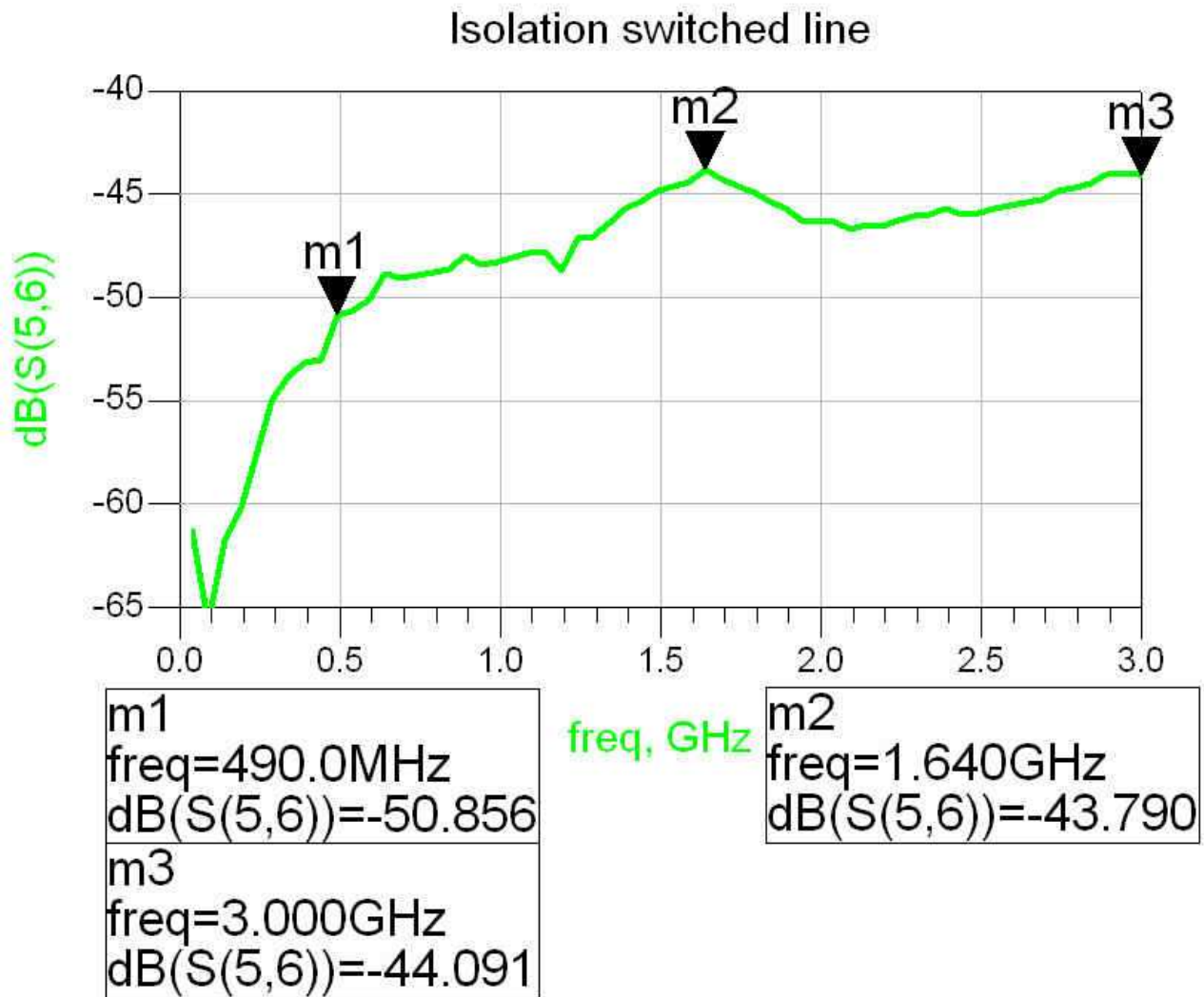


TNC SWITCH-EDGE CARD-SMT LEFT TYPE

PACKAGING IN REEL 110

R143.422.947

Series : TNC



Issue : 0823 D

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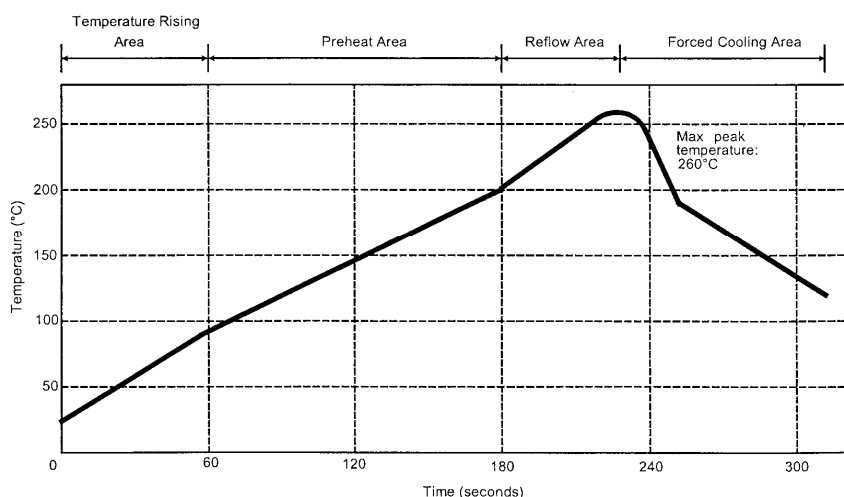
TNC SWITCH-EDGE CARD-SMT LEFT TYPE**PACKAGING IN REEL 110****R143.422.947**

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

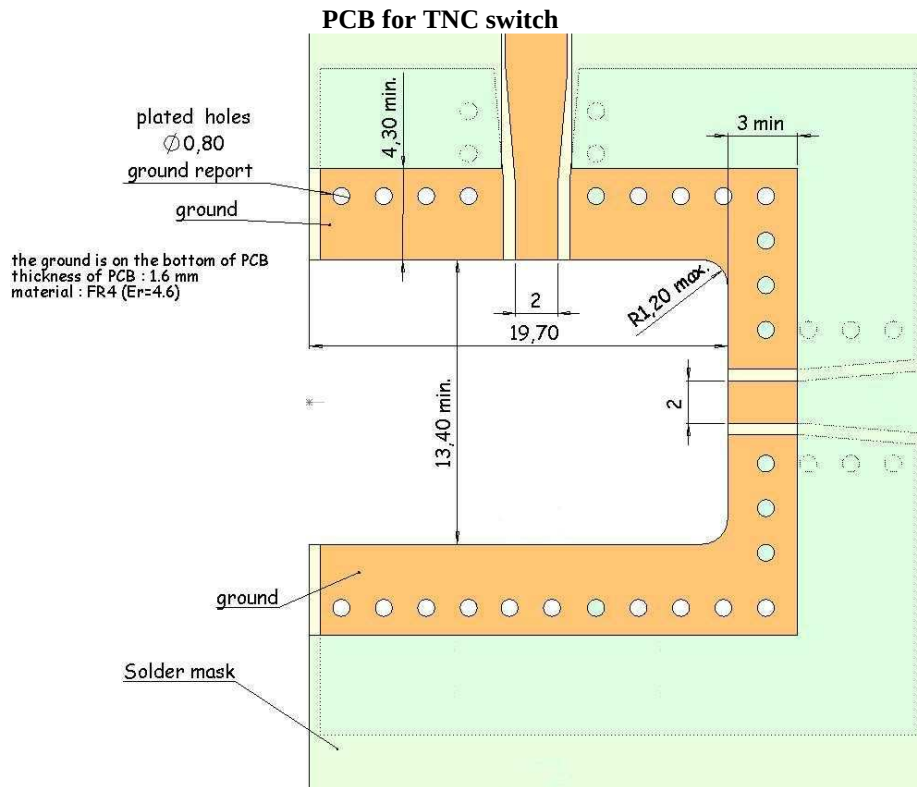
Issue : 0823 D

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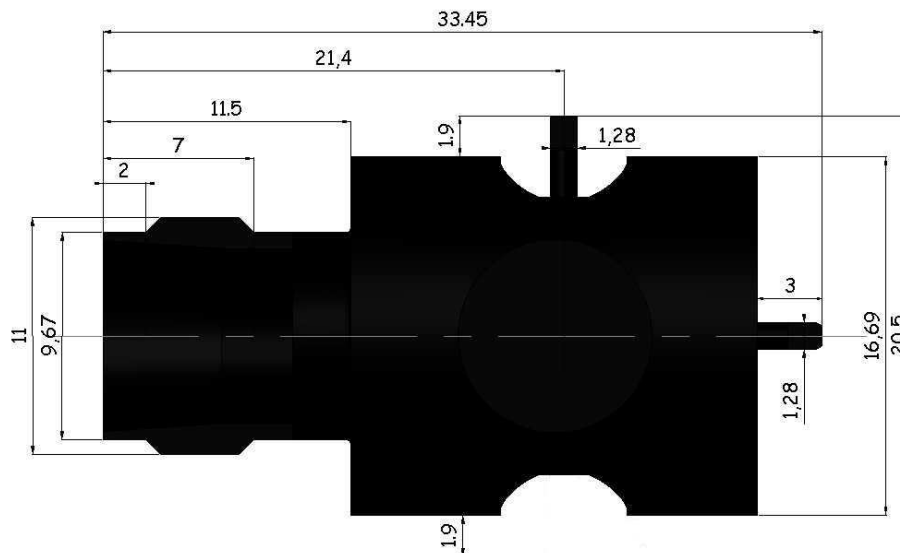


TNC SWITCH-EDGE CARD-SMT LEFT TYPE**R143.422.947****PACKAGING IN REEL 110**

Series : TNC



Shadow of TNC switch for video camera



Issue : 0823 D

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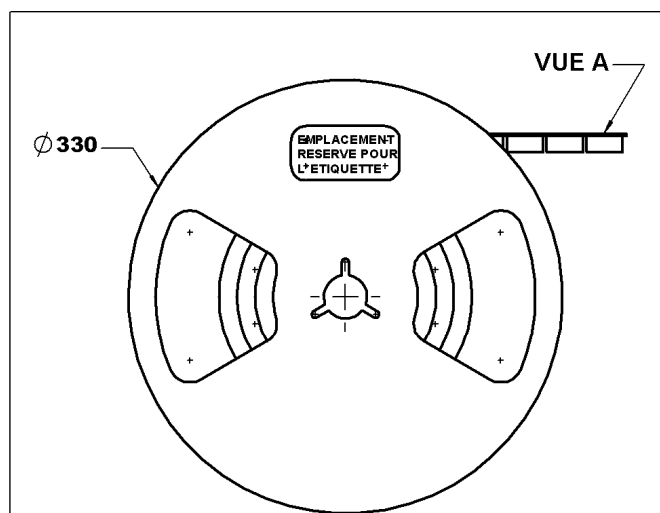


TNC SWITCH-EDGE CARD-SMT LEFT TYPE

PACKAGING IN REEL 110

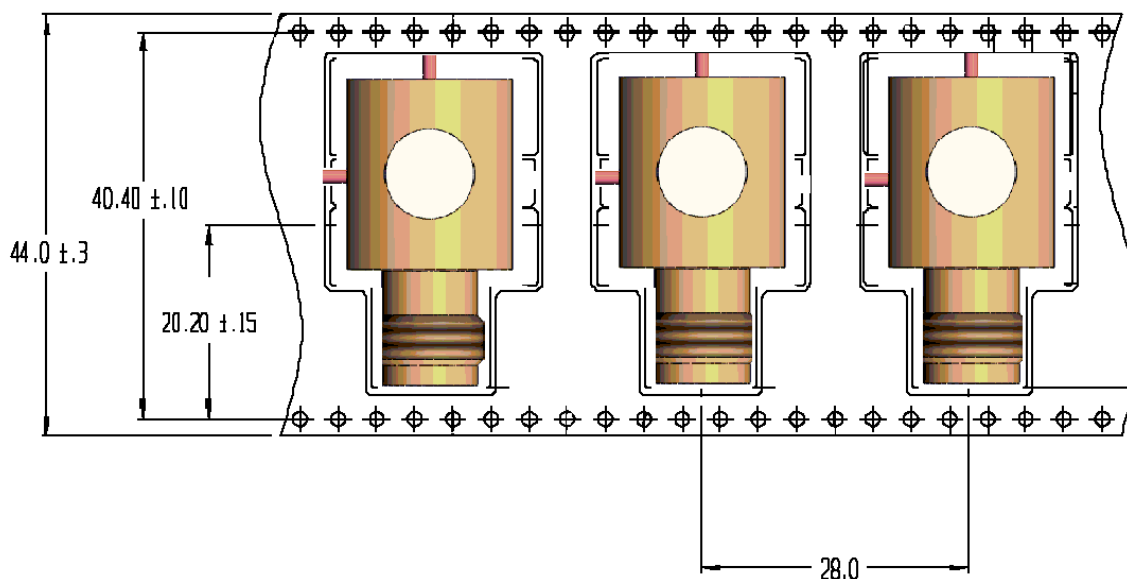
R143.422.947

Series : TNC



bobine Ech :0.7

TAPE FEED DIRECTION



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