



MALE RECEPTACLE SMT EDGE CARD-TR500

PAGE 1/4 ISSUE 08-04-20A SERIES SMPM-L PART NUMBER R201L00010 Ref. Plane 6.18  $\emptyset 4$ В 9.7 3.18 4.4 1.42 DÉTAIL B ECHELLE 12 : 1 3.6 Center of gravity 0.18 Scale: 1/1

All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING (μm)
Body Center contact	BERYLLIUM COPPER BERYLLIUM COPPER	N2PGR N2PGR
Outer contact		
Insulator	PEEK	
Gasket		
Others parts	BERYLLIUM COPPER	N2PGR
-	-	-
-	-	-



# **Technical Data Sheet**

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PAGE 2/4 ISSUE 08-04-20A SERIES SMPM-L PART NUMBER R201L00010

#### **PACKAGING**

Standard	Unit	Tape Reel
100	Contact us	500

## **ELECTRICAL CHARACTERISTICS**

Impedance Ω Frequency 0-65 GHz 0,0000 x F(GHz) Maxi **VSWR** √F(GHz) dB Maxi Insertion loss \*.012 RF leakage - F(GHz)) dB Maxi **TBD** Voltage rating 125 Veff Maxi Dielectric withstanding voltage 250 Veff mini Insulation resistance 5000  $M\Omega$  mini

#### **MECHANICAL CHARACTERISTICS**

Center contact retention

 Axial force – Mating End
 6.7
 N mini

 Axial force – Opposite end
 6.7
 N mini

 Torque
 NA
 N.cm mini

Recommended torque

Mating NA N.cm Na nl.cm

Mating life 500 Cycles mini
Nominal Weight 0,5120 g

(Add +15% for max

(Add +15% 101

weight)

#### RECOMMENDED SOLDERING PARAMETERS

Solder paste deposit: Sn (96.5) - Ag (3.0) - Cu (0.5)

Granulometry from 25 to 36 micrometer Deposit thickness: 100 micrometer

Flux: low residue

Soldering T°C according to IEC 61760-1

and max 10s at max 260°C

#### **ENVIRONMENTAL**

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

# **SPECIFICATION**

## **OTHER CHARACTERISTICS**

Assembly instruction:

#### Others

- \* 1.15 (DC-26.5 GHz) 1.35 (26.5-40 GHz)
- \* Coaxial transmission line only
- \* RF performances highly depend on PCB adaptation

# CUSTOMER'S APPROVAL Department or Company's stamp Name: Date: Copy to send back to RADIALL S.A BEFORE:



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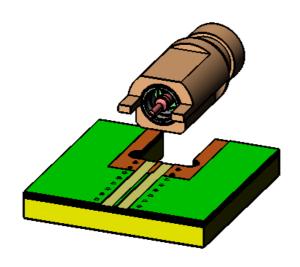


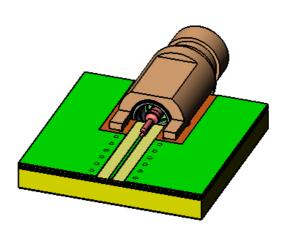
PAGE 3/4

ISSUE 08-04-20A

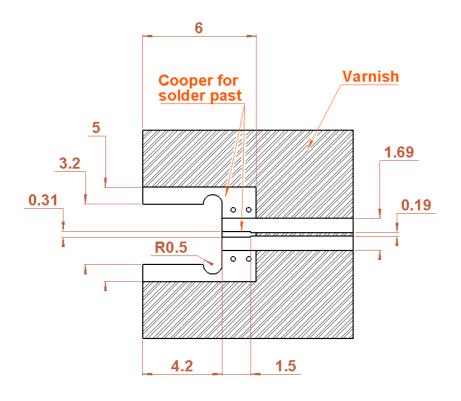
SERIES SMPM-L

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# **PCB Dimension**







MALE RECEPTACLE SMT EDGE CARD-TR500

PAGE 4/4 ISSUE 08-04-20A SERIES SMPM-L PART NUMBER **R201L00010** 

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