



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 61169-35
Mechanically compatible with RPC-3.50 and SMA

Documents

Assembly instruction 02 A3
Panel piercing B 55

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Solder sleeve

Material

CuBe
Stainless steel
PS
Brass

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
Gold, 0.1 µm min.

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RF_35/09.14/6.2

RPC-2.92

Panel jack

02K421-271S3

Electrical data

Impedance 50 Ω
 Frequency DC to 40 GHz
 Return loss ≥ 23 dB, DC to 40 GHz
 Insertion loss ≤ 0.04 x √f(GHz) dB
 Insulation resistance ≥ 5 GΩ
 Test voltage (at sea level) 750 V rms
 Working voltage (at sea level) 250 V rms
 RF-leakage ≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles ≥ 500
 Center contact captivation ≥ 20 N
 Coupling test torque 1.70 Nm
 Recommended torque 0.80 Nm to 1.10 Nm

Environmental data

Temperature range -40°C to +85°C
 Thermal shock MIL-STD-202, Method 107, Condition B
 Corrosion MIL-STD-202, Method 101, Condition B
 Vibration MIL-STD-202, Method 204, Condition D
 Shock MIL-STD-202, Method 213, Condition I
 Moisture resistance MIL-STD-202, Method 106
 RoHS compliant

Tooling

N/A

Suitable cables

UT 85, RG 405 /U, RTK-FS 085

Weight

13.3 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
H. Babinger	07.08.06	F. Reiner	26.06.18	a01	18-1026	M. Ruf	25.06.18