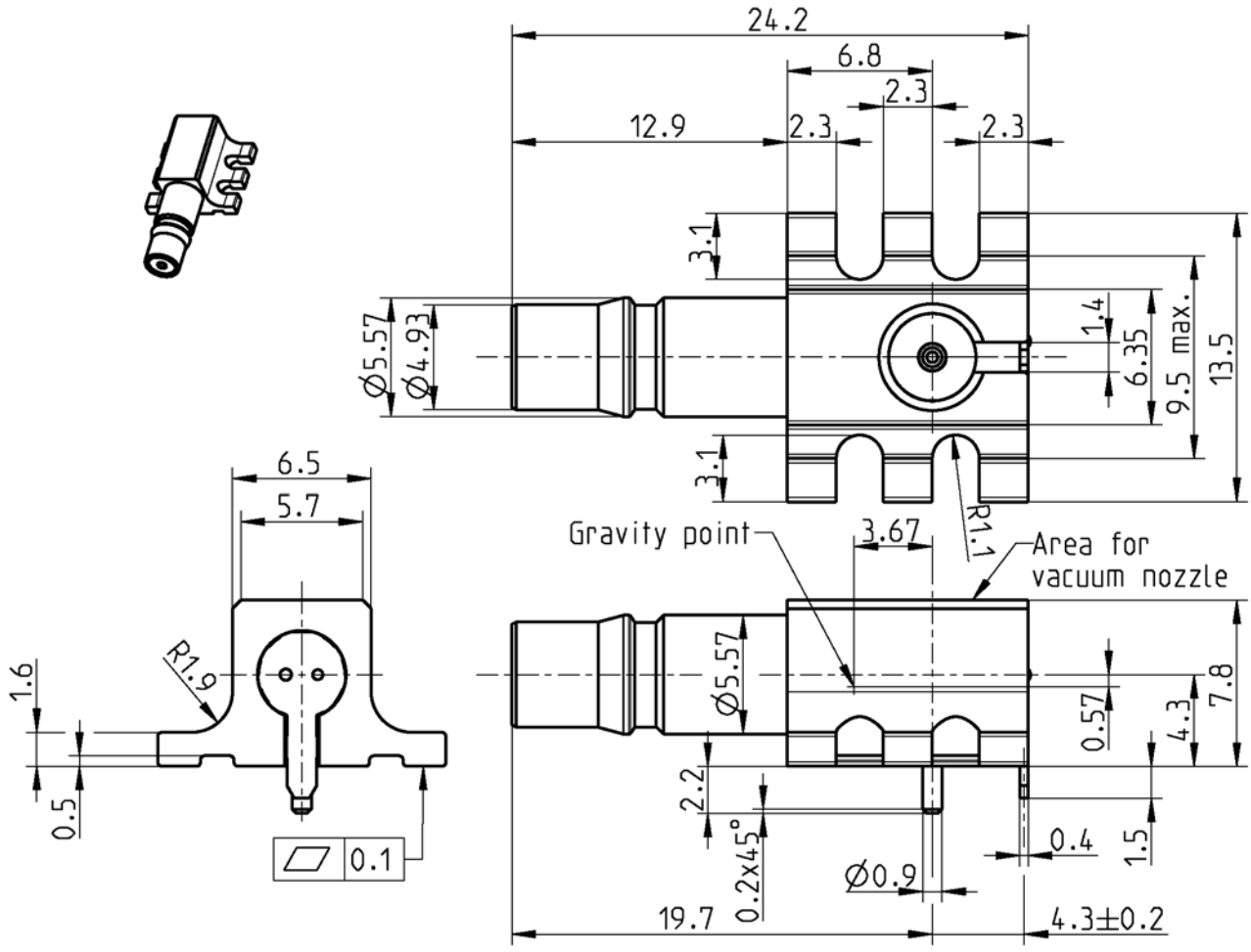
TECHNICAL DATA SHEET	Rosenberger®
QMA RIGHT ANGLE JACK PCB	**28K201-40ML3**



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

Interface

According to	Rosenberger 28K000-000, series QMA Rosenberger is an authorised QLF® manufacturer

Documents

Foot print	B 144
Tape & reel packaging	VG49.25000

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	Gold, min. 1.27 µm, over chemical nickel
Outer contact	Brass	Gold, min. 0.15 µm, over chemical nickel
Body	Brass	Gold, min. 0.15 µm, over chemical nickel
Dielectric	PTFE	

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de

QMA RIGHT ANGLE JACK PCB

28K201-40ML3

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 32 dB, DC to 3 GHz ≥ 25 dB, 3 to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB, DC to 6 GHz
Insulation resistance	≥ 5 x10^3 MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage, at sea level, 50Hz	1000 V rms
Working voltage, at sea level, 50Hz	480 V rms
RF-leakage	≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz
Intermodulation (3rd order)	≤ -120 dBc @ 2 x 20 W

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	min. 100
Engagement force	typ. 25 N
Disengagement force	typ. 20 N
Retention force for interface	60 N min.

Environmental data

Temperature range	-40°C to +85°C
Storage temperature	-40°C to +85°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
Max. solder temperature	+250°C (IEC 61760-1, 260°C for 10 sec.)

Tooling

N/A

Suitable cables

N/A

Packing

Standard	50 pcs in blister, B0050B; 250 pcs in tape & reel, B0250T
Weight	6.2 g/pce

Draft	Date	Approved	Date
Rong Fang	23/11/04	J. Krautenbacher	09/01/06

Rev.	Engineering change number	Name	Date
c00	05-0713	Rong Fang	09/01/06

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de