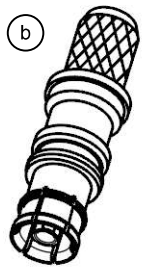
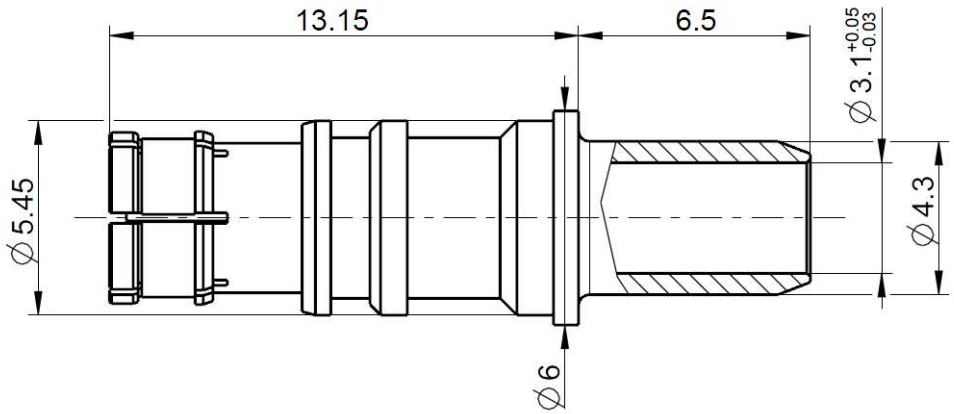
Technical Data Sheet		Rosenberger
FAKRA - HF	STRAIGHT JACK	**59K13O-106/91A**





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

Interface

According to	DIN 72594-1

Documents

Assembly instruction	MA_59V059

Material and plating

Connector parts	**Material**	**Plating**
Outer contact	Brass	Nickel, 3-6 µm
Contact spring	Stainless steel	N/A
Dielectric	PA12-GB30 (b)	

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

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 30 dB, DC to 1 GHz
	≥ 27 dB, DC to 3 GHz
	≥ 20 dB, DC to 6 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(GHz)}$ dB
Insulation resistance	≥ 1×10^3 MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC
RF-leakage	≥ 65 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 25 N
Disengagement force	≥ 2 N

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 8.2
Temperature and humidity	DIN 72594-2 clause 8.3 (b)
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
RoHS (b)	compliant

- Limitations are possible due to the used cable type -

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-108

Suitable cables

Cable type	RG 58

Packing

Standard	5.000 pcs in box,
Weight	1.42 g/pce

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

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Change History

Rev.	Date	Change
b00/b01	22.03.17	-Knurling added in drawing -Dielectric material data: added GB30 to PA12-GB30 according to precise material specification and delivery situation -DIN 72594-2 clause 6… to clause 8… -RoHS: “2002/95/EC (RoHS)” changed to “RoHS”

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

Tel. : +49 8684 18-0
Email : info@rosenberger.de