

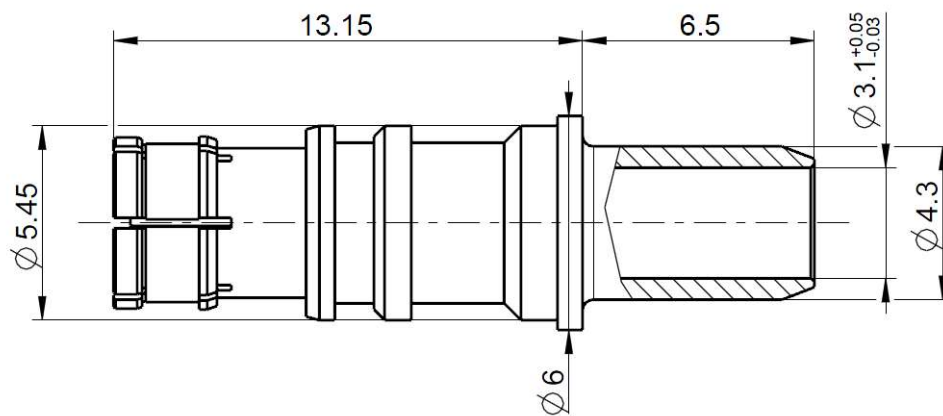
Technical Data Sheet

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

Outer contact
Contact spring
Dielectric

Material

Brass
Stainless steel
PA12-GB30

Plating

Nickel, 3-6 µm
N/A

(b)

Technical Data Sheet

Rosenberger

FAKRA -
HF

STRAIGHT JACK

59K13O-106/91A

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	$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 1 \times 10^3$ M Ω
Center contact resistance	≤ 5 m Ω
Outer contact resistance	≤ 5 m Ω
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

Technical Data Sheet

Rosenberger

FAKRA HF

STRAIGHT JACK

59K130-106/91A

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"

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
R. Bippus	19.03.10	C. Anfang	22.03.17	b01	17-0384	R. Gnoldtke	22.03.17
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			Page 3 / 3