

Adapter type	F-81-HQ-1 NiTiN CC
	ACCEPTS PIN Ø 0.4-1.2mm

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (measured)	4,5 A @10°C increase
(calculated)	6,3 A @20°C increase
Transfer Impedance (CoMeT)	<0,90 mΩ/m @ 5-30MHz
	<0,03 mΩ/item @ 5-30MHz
Shielding Effectiveness (CoMeT)	>140 dB @ 30-1000MHz
	>120 dB @ 1000-3000MHz



All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.

Return Loss (IEC 61169-1)
(Rhode und Schwarz ZVB-8)

	Better than	Typical
0.3 - 500 MHz	-43 dB	-45,0 dB
500 - 860 MHz	-40 dB	-43,0 dB
860 - 1000 MHz	-39 dB	-42,3 dB
1000 - 1750 MHz	-31 dB	-33,5 dB
1750 - 2150 MHz	-29 dB	-31,1 dB
2150 - 3000 MHz	-23 dB	-25,0 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0,07 dB	-0,02 dB
500 - 860 MHz	-0,07 dB	-0,02 dB
860 - 1000 MHz	-0,07 dB	-0,02 dB
1000 - 1750 MHz	-0,08 dB	-0,03 dB
1750 - 2150 MHz	-0,09 dB	-0,04 dB
2150 - 3000 MHz	-0,10 dB	-0,05 dB

Temperature

Installing	-5° to +50° C
Operating	-40° to +70° C
Storing	-40° to +70° C

Intermodulation

3rd Order (@2x1W)	IM3	IP3-value
	-155 dBc	+107 dBm

Inner Conductor Resistance

(@ 1 A DC)	5 mΩ
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Sealing Test

(IEC IP-code)	IP X8 30 meter / 8 hours
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Insulation Resistance

(@ 500 VDC)	> 200 GΩ
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O-rings

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Dielectric Strength

DC Test Voltage	3 KV
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Base Material

Body Parts	Brass CuZn39Pb3
Inner Conductor	Beryllium copper

Max. Tensile Strength

Overall	-
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Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength

(Connector / Cable)	-
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Insulators

PE

Test performed by

Søren B. Sørensen

Date of release

March 23, 2011

Remarks

Min. male inner conductor accepted after mating with max. diameter is 0,5mm