

Item no.

99550025-03

F-81-HQ-FE
ACCEPTS PIN Ø 0.4-1.2mm

Frequency Range

0.3 - 3000 MHz

 Impedance (Nom.)

75 Ohm

 (calculated)

4,7 A @10°C increase
6,6 A @20°C increase

Product photo



Transfer Impedance (CoMeT)

Class A++
<0,9 mΩ/m @ 5-30MHz
<0,02 mΩ/item @ 5-30MHz

Screening Attenuation(CoMeT)

Class A++
>140 dB @ 30-1000MHz
>140 dB @ 1000-2000MHz
>140 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-43 dB	-46,0 dB
500 - 860 MHz	-41 dB	-44,2 dB
860 - 1000 MHz	-39 dB	-42,1 dB
1000 - 1750 MHz	-37 dB	-39,9 dB
1750 - 2150 MHz	-34 dB	-36,6 dB
2150 - 3000 MHz	-26 dB	-28,5 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,06 dB	-0,01 dB
860 - 1000 MHz	-0,07 dB	-0,02 dB
1000 - 1750 MHz	-0,07 dB	-0,02 dB
1750 - 2150 MHz	-0,08 dB	-0,03 dB
2150 - 3000 MHz	-0,09 dB	-0,04 dB

Temperature

-5° to +50° C

 Installing

-40° to +70° C

 Operating

-40° to +70° C

 Storing

Intermodulation

IM3		
3rd Order (@2x1W)	-155 dBc	110 dBm

Inner Conductor Resistance (@ 1 A DC)

<5 mΩ

Sealing Test (IEC IP-code)

IP X8 30 meter / 8 hours

Insulation Resistance (@ 500 VDC)

>200 GΩ

O-rings

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Dielectric Strength DC Test Voltage

>6 KV

Base Material

Brass CuZn39Pb3

 Body Parts

Beryllium copper

 Inner Conductor

Max. Tensile Strength Overall

NA Kgf
NA N

Plating

Nitin-6

 Body Parts

Nitin-6

 Inner Conductor

Torsional Strength (Connector / Cable)

* NATM

Insulators

- / PE

Test performed by

Søren Baldus-Kunze

 Date of release

December 14, 2018

Remarks

*Connector designed according to the standard IEC 61169-24 (type F)
 All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
 Further technical specifications and installation instructions can be obtained on request.*