

Item no. 99550025-02

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
 Operating
 Storing

| |
|----------------|
| -5° to +50° C |
| -40° to +70° C |
| -40° to +70° C |

Intermodulation
 3rd Order (@2x1W)

| | |
|----------|-----------|
| IM3 | IP3-value |
| -155 dBc | +107 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

| |
|---|
| - |
|---|

Dielectric Strength
 DC Test Voltage

| |
|------|
| 3 KV |
|------|

Base Material

| | |
|-----------------|------------------|
| Body Parts | Brass CuZn39Pb3 |
| Inner Conductor | Beryllium copper |

Max. Tensile Strength
 Overall

| |
|---|
| - |
|---|

Plating

| | |
|-----------------|---------|
| Body Parts | Nitin-6 |
| Inner Conductor | Nitin-6 |

Torsional Strength
 (Connector / Cable)

| |
|---|
| - |
|---|

Insulators

| |
|----|
| PE |
|----|

Test performed by
 Date of release

| |
|-------------------|
| Søren B. Sørensen |
| March 23, 2011 |

Remarks

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

ISO 9001:2000 / ISO 14001 certified

Distributor: