

Item no. 99530035

Connector type 90-FM-FF-HQ  
ACCEPTS PIN Ø 0.5-1.2mm

<b>Frequency Range</b>	0.3 - 3000 MHz
<b>Impedance</b> (Nom.)	75 Ω
<b>Amp. Rating</b> (measured)	3,0 A @10°C increase
(calculated)	4,2 A @20°C increase
<b>Transfer Impedance</b> (CoMeT)	0,13 mΩ/m @ 5-30MHz
	0,004 mΩ/item @ 5-30MHz
<b>Shielding Effectiveness</b> (CoMeT)	140 dB @ 30-1000MHz
	125 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)  
(RF Analyzer HP 8714C)

0.3 - 500 MHz  
500 - 860 MHz  
860 - 1000 MHz  
1000 - 1750 MHz  
1750 - 2150 MHz  
2150 - 3000 MHz

	Better than	Typical
0.3 - 500 MHz	-42 dB	-45,1 dB
500 - 860 MHz	-41 dB	-43,3 dB
860 - 1000 MHz	-40 dB	-43,7 dB
1000 - 1750 MHz	-38 dB	-39,2 dB
1750 - 2150 MHz	-31 dB	-36,9 dB
2150 - 3000 MHz	-22 dB	-26,0 dB

**Insertion Loss Max.**

0.3 - 500 MHz  
500 - 860 MHz  
860 - 1000 MHz  
1000 - 1750 MHz  
1750 - 2150 MHz  
2150 - 3000 MHz

	Better than	Typical
0.3 - 500 MHz	-0,10 dB	-0,05 dB
500 - 860 MHz	-0,12 dB	-0,07 dB
860 - 1000 MHz	-0,12 dB	-0,07 dB
1000 - 1750 MHz	-0,14 dB	-0,09 dB
1750 - 2150 MHz	-0,15 dB	-0,10 dB
2150 - 3000 MHz	-0,22 dB	-0,17 dB

**Temperature**

Installing  
Operating  
Storing

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

**Intermodulation**

3rd Order (@2x100mW)

IM3	IP3-value
-148 dBc	+94 dBm

**Inner Conductor Resistance**

(@ 1 A DC)

5,0 mΩ
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**Sealing Test**

(IEC IP-code)

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**Insulation Resistance**

(@ 500 VDC)

>29,9 GΩ
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**O-rings**

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**Dielectric Strength**

DC Test Voltage

3,0 KV
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**Base Material**

Body Parts  
Inner Conductor

Brass CuZn39Pb3
Beryllium copper

**Max. Tensile Strength**

Overall

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**Plating**

Body Parts  
Inner Conductor

Nitin-6
Gold

**Torsional Strength**

(Connector / Cable)

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**Insulators**

PE / POM (Delrin)
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**Test performed by**

**Date of release**

Sven-Erik Sandberg
January 06, 2009

**Remarks**

ISO 9001:2000 / ISO 14001 certified

Distributor: