CORNING Datasheet

Item no.	99902004-02
Connector type	FM SC-R75 1/4-HQ NiTin

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Power Rating	1/4 W

Product photo

Transfer Impedance (CoMeT)	Class A+
	<2.5 mΩ/m @ 5-30MHz
	<0.05 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT)	Class A++
	>125 dB @ 30-1000MHz
	>120 dB @ 1000-2000MHz
	>115 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-43 dB	-46.0 dB
500 - 860 MHz	-42 dB	-45.6 dB
860 - 1000 MHz	-41 dB	-44.1 dB
1000 - 1750 MHz	-35 dB	-37.6 dB
1750 - 2150 MHz	-32 dB	-34.6 dB
2150 - 3000 MHz	-28 dB	-31.0 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	- dB	- dB
500 - 860 MHz	- dB	- dB
860 - 1000 MHz	- dB	- dB
1000 - 1750 MHz	- dB	- dB
1750 - 2150 MHz	- dB	- dB
2150 - 3000 MHz	- dB	- dB

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

Intermodulation	IM3	
3rd Order (@2x100mW)	-135 dBc	

Inner Conductor Resistance (@ 1 A DC)	- mΩ

Sealing Test (IEC IP-code)	-

Insulation Resistance (@ 500 VDC)	- GΩ

Dielectric Strength DC Test Voltage	- KV

O-rings	-

Base Material	
Body Parts	Brass CuZn39Pb3 / BeCu
Inner Conductor	Copper

Max. Tensile Strength Overall	- Kgf

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength (Connector / Cable)	- Nm

Insulators	PE

Test performed by	Sven-Erik Sandberg
Date of release	April 23, 2015

Remarks

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

ISO 9001:2008 / ISO 14001 certified

Distributor:

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