CORNING Datasheet

Item no.	99909906
Connector type	FM-MINI-TD QM 5.0 W/O O-RING
For cable	CommScope F Mini HEC

Frequency Range		0.3 - 3000 MHz
Impedance (Nom.)		75 Ohm
Amp. Rating	(measured)	3.5 A @10°C increase
	(calculated)	4.9 A @20°C increase

Product photo

Screening Attenuation(CoMeT)

>90 dB @	30-1000MHz
>76 dB @	1000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-36 dB	-38.8 dB
500 - 860 MHz	-32 dB	-35.3 dB
860 - 1000 MHz	-32 dB	-34.5 dB
1000 - 1750 MHz	-29 dB	-31.9 dB
1750 - 2150 MHz	-28 dB	-30.5 dB
2150 - 3000 MHz	-22 dB	-24.9 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.09 dB	-0.04 dB
500 - 860 MHz	-0.11 dB	-0.06 dB
860 - 1000 MHz	-0.11 dB	-0.06 dB
1000 - 1750 MHz	-0.12 dB	-0.07 dB
1750 - 2150 MHz	-0.13 dB	-0.08 dB
2150 - 3000 MHz	-0.17 dB	-0.12 dB

Temperature	
Installing	-5° to +50° C
Operating	-40° to +100° C
Storing	-40° to +100° C

Intermodulation	IM3	IP3-value
3rd Order (@2x100mW)	-132 dBc	+86 dBm

Inner Conductor Resistance (@ 1 A DC)	4.8 mΩ

Sealing Test (IEC IP-code)	-
Insulation Resistance (@ 500 VDC)	>200 GΩ
Dielectric Strength DC Test Voltage	>2.0 KV
O-rings	-

Base Material	
Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3 / Beryllium copper

Max. Tensile Strength	
Overall	>12.0 Kgf
	>118 N

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6
Insulators	POM

Torsional Strength (Connector / Cable)	* NATM
Test performed by	Susanne Lindharth
Date of release	May 21, 2019

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

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.

© Copyright Corning Optical Communications ApS – 2015

ISO 9001:2008 / ISO 14001 certified

Distributor:

Corning Optical Communications ApS
Industriparken 10, DK-4760 Vordingborg, Denmark
Tel: +45 55 98 55 99 Fax: +45 55 98 55 04
cabelcon@corning.com www.cabelcon.dk

Corning Public