CORNING Datasheet

Item no.	99909902
Connector type	FM-MINI-TD QM 3.1 W/O O-RING
For cable	Draka 0.41-1.9AF

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ohm
Amp. Rating (measured)	2.5 A @10°C increase
(calculated)	3.5 A @20°C increase

Product photo

Screening Attenuation(CoMeT)	
	Class A
	>93 dB @ 30-1000MHz
	>88 dB @ 1000-2000MHz
	>88 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-39 dB	-41.5 dB
500 - 860 MHz	-37 dB	-39.7 dB
860 - 1000 MHz	-37 dB	-39.5 dB
1000 - 1750 MHz	-36 dB	-39.2 dB
1750 - 2150 MHz	-36 dB	-38.2 dB
2150 - 3000 MHz	-34 dB	-37.2 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.08 dB	-0.03 dB
500 - 860 MHz	-0.09 dB	-0.04 dB
860 - 1000 MHz	-0.10 dB	-0.05 dB
1000 - 1750 MHz	-0.12 dB	-0.07 dB
1750 - 2150 MHz	-0.13 dB	-0.08 dB
2150 - 3000 MHz	-0.15 dB	-0.10 dB

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

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

Inner Conductor Resistance	
(@ 1 A DC)	3.5 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	>4.0 Kgf
	>39.2 N

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength	
(Connector / Cable)	* NATM

Insulators	POM

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.

ISO 9001:2008 / ISO 14001 certified

Distributor:

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