

Item no. 99909906-01

FM-MINI-TD QM 5.0 WO O-RING
280080

Frequency Range 0.3 - 3000 MHz
Impedance (Nom.) 75 Ohm
(calculated) 3.0 A @10°C increase
4.2 A @20°C increase

Product photo



Transfer Impedance (CoMeT) Class B
< 15 mΩ/m @ 5-30MHz
<0.3 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT) Class B
> 75 dB @ 30-1000MHz
> 65 dB @ 1000-2000MHz
> 55 dB @ 2000-3000MHz

	Better than	Typical
	Return Loss (IEC 61169-1)	
0.3 - 500 MHz	-37 dB	-43.2 dB
500 - 860 MHz	-36 dB	-43.0 dB
860 - 1000 MHz	-36 dB	-43.0 dB
1000 - 1750 MHz	-34 dB	-41.5 dB
1750 - 2150 MHz	-34 dB	-39.8 dB
2150 - 3000 MHz	-33 dB	-36.6 dB

	Better than	Typical
	Insertion Loss Max.	
0.3 - 500 MHz	-0.09 dB	-0.04 dB
500 - 860 MHz	-0.11 dB	-0.06 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	-0.18 dB	-0.13 dB

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

Intermodulation
3rd Order (@2x100mW) IM3
-132 dBc

Inner Conductor Resistance
(@ 1 A DC) <60 mΩ

Insulation Resistance
(@ 500 VDC) >200 GΩ

O-rings EPDM

Dielectric Strength
DC Test Voltage >2.0 KV

Base Material
Body Parts Brass
Inner Conductor Beryllium copper

Max. Tensile Strength
Overall > 14 Kgf
>137 N

Plating
Body Parts Nitin
Inner Conductor Nitin

Torsional Strength
(Connector / Cable) * NATM

Insulators POM

Test performed by Susanne Lindharth
Approved by Søren Baldus-Kunze
Date of release January 15, 2021

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip. Tensile strength can be limited by the strength of the cable. Please refer to the cable data.

*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.*