

Item no. 

57031902-01
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5/8M-TL319TI PIN Ø 1.8x47mm
CommScope P3 412 JCA

Frequency Range 

0.3 - 3000 MHz
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 Impedance (Nom.) 

75 Ohm
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 (calculated) 

14.5 A @10°C increase
20.5 A @20°C increase

Product photo



Transfer Impedance (CoMeT) 

Class A++
<0.9 mΩ/m @ 5-30MHz
<0.05 mΩ/item @ 5-30MHz

  
 Screening Attenuation(CoMeT) 

Class A++
>110 dB @ 30-1000MHz
>105 dB @ 1000-2000MHz
>105 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-39 dB	-42.2 dB
500 - 860 MHz	-38 dB	-40.6 dB
860 - 1000 MHz	-37 dB	-40.1 dB
1000 - 1750 MHz	-33 dB	-36.8 dB
1750 - 2150 MHz	-31 dB	-33.7 dB
2150 - 3000 MHz	-27 dB	-30.3 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-0.07 dB	-0.02 dB
860 - 1000 MHz	-0.07 dB	-0.02 dB
1000 - 1750 MHz	-0.10 dB	-0.05 dB
1750 - 2150 MHz	-0.11 dB	-0.06 dB
2150 - 3000 MHz	-0.12 dB	-0.07 dB

Temperature 

-5° to +50° C
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 Installing 

-40° to +70° C
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 Operating 

-40° to +70° C
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 Storing

Intermodulation 

IM3	
3rd Order (@2x5W)	-162 dBc

Inner Conductor Resistance (@ 1 A DC) 

<0.6 mΩ
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Sealing Test (IEC IP-code) 

IP X8 30 meter / 8 hours
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Insulation Resistance (@ 500 VDC) 

>200 GΩ
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O-rings 

EPDM
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Dielectric Strength DC Test Voltage 

>3.0 KV
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Base Material 

Brass CuZn39Pb3
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 Body Parts 

Brass CuZn39Pb3
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 Inner Conductor

Max. Tensile Strength Overall 

>2000 N
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 Inner Conductor 

>225 N
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Plating 

Nitin-6
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 Body Parts 

Nitin-6
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 Inner Conductor

Torsional Strength (Connector / Cable) 

>6.0 Nm
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Insulators 

COC (Topas) / PP with Glass
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Test performed by 

Sven-Erik Sandberg
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 Date of release 

September 05, 2016
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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.*