DATA SHEET

COAXIAL CONNECTOR, SMA, 50 Ohm, Right angle cable plug (male)

16_SMA-50-2-103/111_N

Properties

- Excellent corrosion resistance in a wide range of environments
- High salt mist resistant
- Applicable in frequencies up to 18 GHz



Product configuration		
Interface type	Gender	Standard
SMA	plug	IEC 60169-15_MIL-STD-348A/310_CECC 22110

Interface and material data		
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Outer conductor	Copper Beryllium / Brass	Gold Plating (Nickel underplated)
Body	Brass	Gold Plating (Nickel underplated)
Insulator	PFA / PTFE	
Coupling nut	Bronze	Gold Plating (Nickel underplated)
Gasket	VMQ (Silicone rubber)	

Electrical data	
Impedance	50 Ω
Interface frequency	18 GHz

Electrical Data (frequency related)		
Frequency range	**Return loss**	**VSWR**
0 GHz ... 2.5 GHz	26 dB	1.11
2.5 GHz ... 5 GHz	21 dB	1.2
5 GHz ... 12.4 GHz	16 dB	1.4

Mechanical data	
Weight	0.004 kg
Mating cycles	500
Cable entry centre contact	soldered
Cable entry outer contact	soldered

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Environmental data	
Operation temperature	-65 °C ... 165 °C

Ordering Information Table	
Item number	Item description
84018309	16_SMA-50-2-103/111_NE
22652924	16_SMA-50-2-103/111_NH

Suitable cables	
Cable group	Y3 - 2 mm / 50 Ohm
	Y16 - 2 mm / 50 Ohm
	Y11 - 2 mm / 50 Ohm

Additional Information	
Only as assembly	No

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Huber+Suhner:

24_SMA-50-2-15/111_NH 84118385 G032D/BNCm/BNCm/1000 MINIBEND R-10 12535682
6601_PC185-50-1/199_NE 84093961 G_03130_HT-01 33_PC24-SK-50-2/199_NE
16_MMCX-50-2-4/111_OH 22511964 23000457 6806.19.A 11MMBXEF31616MMBX/300 85201112
MINIBEND R-12 Minibend L-10 12012090 1399.17.0210 1399.31.0020 6620_SMA-50-2/199_NE
G032D/Nm/SMAm/1000 RADOX 125 0.75 MMÂ² RED 11_SMC-50-2-10/111_NE 23002145
PCRS_LCMX_LCMX_O421T_30.0_LL RG_196_A/U MINIBEND R-8 11_TNC-50-3-116/133_NE
1399.17.0231