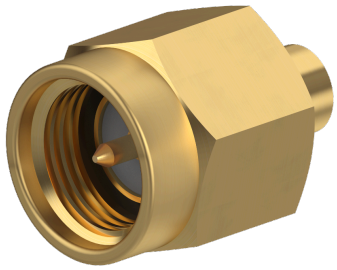
DATA SHEET

COAXIAL CONNECTOR, SMA, 50 Ohm, Straight cable plug (male)

11_SMA-50-2-15/111_N

Properties

- Excellent return loss
- Intermateable with PC3.5and SK
- 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 Alloy	Gold Plating (Nickel underplated)
Body	Copper Beryllium Alloy	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	32 dB	1.06
2.5 GHz ... 5 GHz	28 dB	1.09
5 GHz ... 12.4 GHz	23 dB	1.16
12.4 GHz ... 18 GHz	16 dB	1.4

Mechanical data	
Weight	0.0022 kg
Mating cycles	500
Cable entry centre contact	soldered

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Mechanical data	
Cable entry outer contact	soldered

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22544545	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
22645898	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Ordering Information Table		
Item number	Item description	Packaging type
22544545	11_SMA-50-2-15/111_NE	Single
22645898	11_SMA-50-2-15/111_NH	Bulk 100 pcs
85139707	11_SMA-50-2-15/111_NE-1	

Suitable cables	
Cable group	Y3 - 2 mm / 50 Ohm
	Y16 - 2 mm / 50 Ohm
Suitable cables	SUCOFORM_86
	MULTIFLEX_86
	SR_86_TP_M17

Additional Information	
Only as assembly	No

Suitable tools		
Item number	Item description	Type of tool
22544715	74_Z-0-0-68	Knives / Blades
22544559	74_Z-0-0-60	Support
22544558	74_Z-0-0-59	Support
22544557	74_Z-0-0-58	Assembly tool
22544553	74_Z-0-0-52	Positioning aids
23024588	74_Z-0-0-442	Soldering tool
22643028	74_Z-0-0-164	Trimming tool
22643029	74_Z-0-0-157	Cable stripping tool
22643462	74_Z-0-0-142	Trimming tool
23019268	74_Z-0-0-364/---_-E	Support
23019269	74_Z-0-0-365	Support
23021266	74_Z-0-0-369	Locator

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