DATA SHEET

COAXIAL CONNECTOR, SMA, 50 Ohm, Straight cable jack (female)

SF_21_SMA-501

Properties

Applicable up to 18 GHz



Product configuration		
Interface type	Gender	Standard
SMA	jack	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	Stainless steel	Passivated (Plating)
Body	Stainless steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	
Gasket	VMQ (Silicone rubber)	

Electrical data	
Impedance	50 Ω
Interface frequency	18 GHz

Electrical Data (frequency related)		
Frequency range	**Return loss**	**VSWR**
0 GHz ... 18 GHz	24.9 dB	1.12

Mechanical data	
Weight	11.7 g
Mating cycles	500
Cable entry centre contact	soldered
Cable entry outer contact	soldered

COAXIAL CONNECTOR, SMA, 50 Ohm, Straight cable jack (female)

SF_21_SMA-501

Environmental data	
Operation temperature	-55 °C ... 125 °C
Ingress protection (IP Rating)	Mated / IP67

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85207417	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c

Ordering Information Table	
Item number	Item description
85207417	SF_21_SMA-501

Suitable cables	
Cable group	U98 - SUCOFLEX
Suitable cables	SUCOFLEX_526

Additional Information	
Only as assembly	Yes

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P27683 / Date of publication: 02.10.2025 / uncontrolled copy