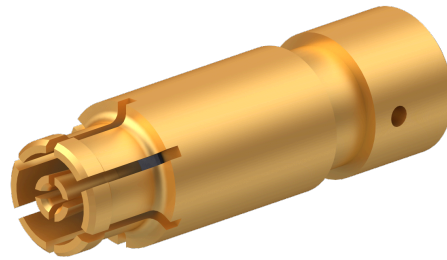


COAXIAL CONNECTOR, SMPM, 50 Ohm, Straight cable jack (female)

21_SMPM-50-1-1/111_N

Properties

- Best performance-to-price ratio
- Excellent RF performance up to 65 GHz
- Small size, compact form factor
- Snap-on coupling mechanism with full detent and smooth bore
- Board-to-board solutions with bullets for axial and radial float

**Product configuration**

Interface type	Gender	Standard
SMPM	jack	MIL-STD-348B

Interface and material data

Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	SUCOPRO Plating
Outer conductor	Copper Beryllium Alloy	SUCOPRO Plating
Insulator	PTFE (Polytetrafluoroethylene)	

Electrical data

Impedance	50 Ω
Interface frequency	65 GHz

Electrical Data (frequency related)

Frequency range	Return loss	VSWR
0 GHz ... 18 GHz	26 dB	1.11
18 GHz ... 50 GHz	20 dB	1.22
50 GHz ... 65 GHz	14 dB	1.50

Mechanical data

Weight	0.25 g
Mating cycles	500
Cable entry centre contact	plugged
Cable entry outer contact	soldered

Engagement / Disengagement force

	Engagement	Engagement	Disengagement	Disengagement
Interface class	Full detent	Smooth bore	Full detent	Smooth bore

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Engagement / Disengagement force				
	Engagement	Engagement	Disengagement	Disengagement
Interface force typical	20 N	11 N	29 N	6.7 N
Interface class	The force is determined by the counterpart			
Interface force typical				
Environmental data				
Operation temperature		-65 °C ... 165 °C		
Material compliance				
Item number	Directive / Regulation		Rating	Exemptions / Details
85224724	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
85274825	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
85224724	21_SMPM-50-1-1/111_NE			Single
85274825	21_SMPM-50-1-1/111_NH			Bulk 100 pcs
Suitable cables				
Cable group			Y8 - 1 mm / 50 Ohm	
			Y2 - 1 mm / 50 Ohm	
			Y15 - 1 mm / 50 Ohm	
Suitable cables			SUCOFORM_47_CU	
			SR_47_LA_TP-01	
			SR_47_CU_TP	
Additional Information				
Remarks			The values provided are typical and may vary depending on factors such as the mating connector, cable type, and assembly condition. Mating force and mating cycles are determined by the mating connector (full detent or smooth bore). Mating cycles: full detent: 100 smooth bore: 500	
Only as assembly			No	

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