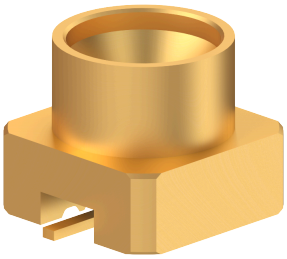
DATA SHEET

COAXIAL CONNECTOR, SMPM, 50 Ohm, Straight PCB plug (male), smooth bore

81_SMPM-S50-0-S4/111_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	plug	MIL-STD-348B

Interface and material data		
Piece parts	Material	Plating
Centre contact	Brass	SUCOPRO / Gold Plating
Outer conductor	Brass	SUCOPRO / Gold Plating
Insulator	PFA / PTFE	

Electrical data	
Impedance	50 Ω
Interface frequency	65 GHz

Electrical Data (frequency related)		
Frequency range	**Return loss**	**VSWR**
0 GHz ... 12 GHz	26 dB	1.11
12 GHz ... 18 GHz	20 dB	1.22
18 GHz ... 26 GHz	15 dB	1.43

Mechanical data	
Weight	0.24 g
Mating cycles	500
Board mounting type	surface mount
Height above PCB HA	3.4 mm

Engagement / Disengagement force		
	Engagement	**Disengagement**
Interface class	Smooth bore	Smooth bore

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Engagement / Disengagement force		
	Engagement	**Disengagement**
Interface force typical	11 N	6.7 N

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85246614	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
85228891	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
85246614	81_SMPM-S50-0-S4/111_NE	Single
85228891	81_SMPM-S50-0-S4/111_NM	Tape and Reel

Additional Information	
Remarks	The values provided are typical and may vary depending on factors such as the mating connector, PCB (layout), and assembly condition.

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