

## COAXIAL ADAPTER, SMPM, 50 Ohm, jack / jack (female / female)

31\_SMPM-50-0-4/111\_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 (female)	MIL-STD-348B
SMPM	jack (female)	MIL-STD-348B

### Interface and material data

SMPM		
<b>Piece parts</b>	<b>Material</b>	<b>Plating</b>
Centre contact	Copper Beryllium Alloy	SUCOPRO Plating
Outer conductor	Copper Beryllium Alloy	SUCOPRO Plating
Body	Copper Beryllium Alloy	SUCOPRO Plating
Insulator	PTFE (Polytetrafluoroethylene)	
SMPM		
<b>Piece parts</b>	<b>Material</b>	<b>Plating</b>

### Electrical Data (frequency related)

Frequency range	Return loss	VSWR
0 GHz ... 18 GHz	26 dB	1.11
18 GHz ... 40 GHz	15 dB	1.43
40 GHz ... 60 GHz	10 dB	1.92

### Mechanical data

Weight	0.4 g
Mating cycles	500

### 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
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**Material compliance**

Item number	Directive / Regulation	Rating	Exemptions / Details
85237917	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
85274838	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
85237917	31_SMPM-50-0-4/111_NE	Single
85274838	31_SMPM-50-0-4/111_NH	Bulk 100 pcs

**Additional Information**

Remarks	<p>The values provided are typical and may vary depending on factors such as the mating connector, and installation condition.</p> <p>Mating force and mating cycles are determined by the mating connector (full detent or smooth bore).</p> <p>Mating cycles: full detent: 100 smooth bore: 500</p>
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