

COAXIAL ADAPTER, BMA - SMA, 50 Ohm, Panel, jack / jack (female / female), flange mount

37_BMA-SMA-50-1/1--_U

Properties

- Wide range of different configurations
- Most common interfaces available
- Accurate transitions
- Effective and reliable interconnection solutions
- Appropriate materials



Product configuration		
Interface type	Gender	Standard
BMA	jack (female)	IEC 60169-33_MIL-STD-348A/321
SMA	jack (female)	IEC 60169-15_MIL-STD-348A/310_CECC 22110

Interface and material data		
BMA		
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Outer conductor	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Body	Stainless steel	
Insulator	PFA / PTFE	
SMA		
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Outer conductor	Stainless steel	
Body	Stainless steel	
Insulator	PFA / PTFE	

Electrical data	
Impedance	50 Ω
Interface frequency	18 GHz
VSWR	DC - 9 GHz ($\leq 1.07 + 0.017 f \text{ GHz}$)

Electrical Data (frequency related)		
Frequency range	Return loss	VSWR
9 GHz ... 18 GHz	20.1 dB	1.22

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Mechanical data	
Weight	0.0061 kg
Mating cycles	500

Environmental data	
Operation temperature	-65 °C ... 125 °C

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22645649	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
22645649	37_BMA-SMA-50-1/1--_UE	Single

Additional Information	
Remarks	Impedance matching DC to 9 GHz: VSWR <= 1.07 + 0.017 * f [GHz] 9 to 18 GHz: VSWR <= 1.22 / return loss >= 20.1 dB

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