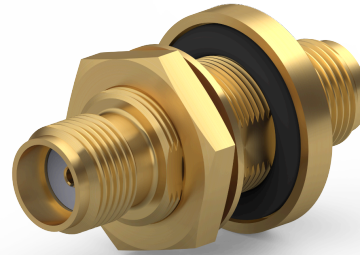


COAXIAL ADAPTER, SMA, 50 Ohm, Bulkhead, jack / jack (female / female)

34_SMA-50-0-101/111_U

Properties

- Non-magnetic
- For cryogenic applications
- Excellent return loss
- Mechanical intermateable with PC 3.5 (3.5 mm standard) and SK (2.92 mm standard)
- Operating frequency up to 18 GHz



Product configuration

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

Interface and material data

SMA		
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Copper Beryllium Alloy	Gold Plating
Body	Copper Beryllium Alloy	Gold Plating
Insulator	PFA / PTFE	
Gasket	FKM (Fluoro elastomer, FPM)	
Fastening nut	Copper Beryllium Alloy	Gold Plating
Washer	Copper Beryllium Alloy	Gold Plating
SMA		
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Copper Beryllium Alloy	Gold Plating
Body	Copper Beryllium Alloy	Gold Plating
Insulator	PFA / PTFE	
Gasket	FKM (Fluoro elastomer, FPM)	
Fastening nut	Copper Beryllium Alloy	Gold Plating
Washer	Copper Beryllium Alloy	Gold Plating

Electrical data

Impedance	50 Ω
Interface frequency	18 GHz

COAXIAL ADAPTER, SMA, 50 Ohm, Bulkhead, jack / jack (female / female)

34_SMA-50-0-101/111_U

Electrical Data (frequency related)		
Frequency range	Return loss	VSWR
0 GHz ... 3 GHz	26.4 dB	1.1
3 GHz ... 10 GHz	20.8 dB	1.2
10 GHz ... 18 GHz	12.7 dB	1.6

Mechanical data	
Weight	8.73 g
Mating cycles	500

Environmental data	
Operation temperature	-20 °C ... 125 °C
Ingress protection (IP Rating)	IP68

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85255346	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
85255346	34_SMA-50-0-101/111_UE

Additional Information	
Remarks	Hermetically sealed: leak rate $\leq 10^{-7}$ Torr l/s (atm cc/s) O-ring mount bulkhead feedthrough design, leak rate dependent on environmental condition, typ. $\leq 10^{-6}$ Torr l/s

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