

Within Series Adaptor 34_SMA-50-0-3/111_N

Description

Bulkhead adaptor jack/jack
SMA jack (female) / SMA jack (female)

Interface standard
Series SMA - IEC 60169-15_MIL-STD-348A/310_CECC 22110

Benefits

Hermetic sealed connector
Ingress protection according to IP68



Technical Data

Electrical Data

Impedance	50 Ω		
Interface frequency max.	18 GHz		
Frequency range	0 to 3 GHz	3 to 7 GHz	7 to 18 GHz
Return loss	26 dB	20 dB	17 dB

Mechanical Data

Chassis torque	2 Nm
Number of matings	500
Weight	0.0068 kg

Environmental Data

Operating temperature	-20 °C to 165 °C
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	not compliant

Material Data

Interface - SMA jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Outer contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Body	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Insulator	PFA / PTFE	
Gasket	FKM (Fluoro elastomer, FPM)	

Interface - SMA jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Outer contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Body	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Insulator	PFA / PTFE	
Gasket	FKM (Fluoro elastomer, FPM)	

Related Documents

Outline drawing	DOU-00013644
Mounting hole	DOU-00008860

Ordering Information

Single package	34_SMA-50-0-3/111_NE
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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"