

## 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	
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### 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

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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"