Data Sheet

HUBER+SUHNER Excellence in Connectivity Solutions

Between Series Adaptor 37_BMA-SMA-50-1/1--_U

Description

Panel adaptor jack/jack, flange mount BMA jack (female) / SMA jack (female)

Interface standards

Series BMA - IEC 60169-33_MIL-STD-348A/321

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



Technical Data

Electrical Data

 $\begin{array}{ll} \mbox{Impedance} & \mbox{50} \ \Omega \\ \mbox{Interface frequency max.} & \mbox{18 GHz} \\ \mbox{VSWR} & \mbox{DC - 9 GHz} \end{array}$

≤ 1.07 + 0.017 f (GHz)

Frequency range 9 to 18 GHz Return loss \geq 20.1 dB

Mechanical Data

Number of matings 500
Weight 0.0061 kg

Environmental Data

Operating temperature $$-65\ ^{\circ}\text{C}$$ to 125 $^{\circ}\text{C}$$ 2011/65/EU (RoHS) compliant

Material Data

Interface - BMA jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Outer contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Body	Stainless Steel	
Insulator	PFA / PTFE	

Interface - SMA jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Outer contact	Stainless Steel	
Body	Stainless Steel	
Insulator	PFA / PTFE	

Related Documents

Outline drawing DOU-00014085
Mounting hole DOU-00008816

Ordering Information

Single package 37_BMA-SMA-50-1/1--_UE

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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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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