

# HUBER+SUHNER® DATA SHEET

## Between Series Adapter: 33\_QMA-SMA-50-1/133\_N

Rev.: K



### Description

Adaptor plug/jack  
QMA plug (male) / SMA jack (female)

Interface standards  
QMA QLF compliant



### Technical Data

#### Electrical Data

Impedance	50 $\Omega$	
Interface frequency max.	18 GHz	
Frequency range	DC to 4 GHz	4 to 6 GHz
Return loss	$\geq 32$ dB	$\geq 22$ dB

#### Mechanical Data

Number of matings 100

#### Environmental Data

Operating Temperature -40 °C to 85 °C  
2002/95/EC (RoHS) compliant

#### Material Data

##### Piece Parts (QMA)

Centre contact	Material	Copper Beryllium Alloy
Outer contact		Bronze
Body		Brass
Insulator		PFA / PTFE
Coupling nut		Brass

##### Surface Plating

Hard Au min. 0.1  $\mu$ m over NiP min. 2  $\mu$ m  
SUCOPLATE (R) Plating  
SUCOPLATE min. 0.5  $\mu$ m over Ag min. 2  $\mu$ m

##### Piece Parts (SMA)

Centre contact	Material	Copper Beryllium Alloy
Outer contact		Brass
Body		Brass
Insulator		PFA / PTFE

##### Surface Plating

SUCOPRO Plating  
SUCOPLATE (R) Plating  
SUCOPLATE (R) Plating

### Related Documents

Outline drawing DOU-00014655

### Ordering Information

Bulk 100 pcs package 33\_QMA-SMA-50-1/133\_NH  
Single package 33\_QMA-SMA-50-1/133\_NE

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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