

# HUBER+SUHNER® DATA SHEET

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

Rev.: F



### Description

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

Interface standards  
QMA QLF compliant

### Technical Data

#### Electrical Data

Impedance	50 Ω	
Interface frequency max.	11 GHz	
Frequency range	DC to 4 GHz	4 to 6 GHz
Return loss	≥ 32 dB	≥ 22 dB

#### Environmental Data

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

#### Material Data

##### Piece Parts (QMA)

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

##### Surface Plating

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

##### Piece Parts (SMA)

Centre contact	<b>Material</b> 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.



**HUBER+SUHNER AG**  
**RF Technology**  
**9100 Herisau, Switzerland**  
Phone +41 (0)71 353 41 11  
Fax +41 (0)71 353 45 90  
www.hubersuhner.com

**HUBER+SUHNER – Excellence in Connectivity Solutions**