

HUBER+SUHNER® DATA SHEET

Wideband 6 dB Hybrid Coupler Matrix 698 MHz - 2700 MHz:

7408.17.0003



Rev.: E

Hybrid Coupler

Description

This broadband 4:2 Hybrid Combiner provides simple combining of 4 independent signals in the same wireless band to a common feeder cable, as might be required in a radio base station or in a neutral host in-building distributed antenna system. The unused hybrid ports must be terminated at the appropriate power rating. Supports LTE, UMTS/WCDMA, TD-SCDMA, AMPS, GSM, PCS, CDMA, WiFi / WLAN 2.4 GHz.



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (GHz)	0.698 - 2.7
Return Loss	20 dB
Coupling	6 dB
Insertion Loss	6.2 dB
Insertion Loss flatness +/-	1 dB
Isol. between Input ports	23 dB
Isol. between Output ports	23 dB
Composite Power max	80 W
Peak Envelope Power	3000 W
Intermodulation distortion @ 2 x Carrier Power	130 dBc 43 dBm

	Input 1	Input 2	Input 3	Input 4
Port Designation	J1	J2	J3	J4
Connector Type	N	N	N	N
Gender	jack (female)	jack (female)	jack (female)	jack (female)

	Ouput 1	Ouput 2	Output 3	Output 4
Port Designation	J5	J6	J7	J8
Connector Type	N	N	N	N
Gender	jack (female)	jack (female)	jack (female)	jack (female)

Char. impedance (Ω) 50

Mechanical Data

Dimensions (mm) 33 x 67.1 x 285.8 (Height x Width x Length)
Weight 1.5 kg

Environmental Data

Environmental conditions indoor/outdoor
Operation temperature (°C) -35 to 65
Storage temperature (°C) -35 to 65

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 specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

HUBER+SUHNER – Excellence in Connectivity Solutions



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

HUBER+SUHNER® DATA SHEET

Wideband 6 dB Hybrid Coupler Matrix 698 MHz - 2700 MHz:



7408.17.0003

Rev.: E

Transport temperature (°C)	-35 to 65
IP rating	IP 64
RoHS 2002/95/EC	compliant

Material Data

Housing Material	Aluminium
Surface treatment	passivated

Related Documents

Mounting instruction	
Painting instruction	
Security instruction	
Outline drawing1	DPR-00172084
3D-model (Step)	DOC-0000370152

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 specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

HUBER+SUHNER – Excellence in Connectivity Solutions



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

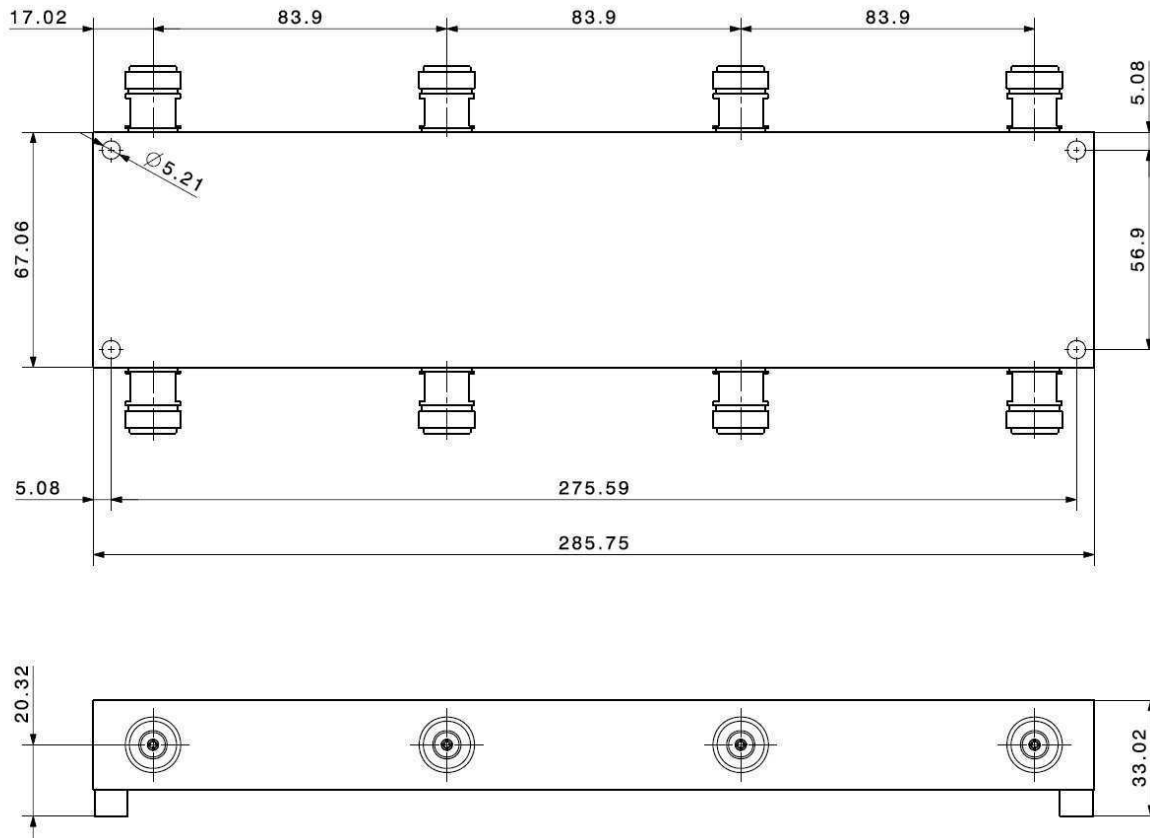
HUBER+SUHNER® DATA SHEET

Wideband 6 dB Hybrid Coupler Matrix 698 MHz - 2700 MHz:



7408.17.0003

Rev.: E



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 specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

HUBER+SUHNER – Excellence in Connectivity Solutions



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