

# HUBER+SUHNER® DATA SHEET

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

7408.17.0003



Rev.: F

### 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	-150 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 ( $\Omega$ ) 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.



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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

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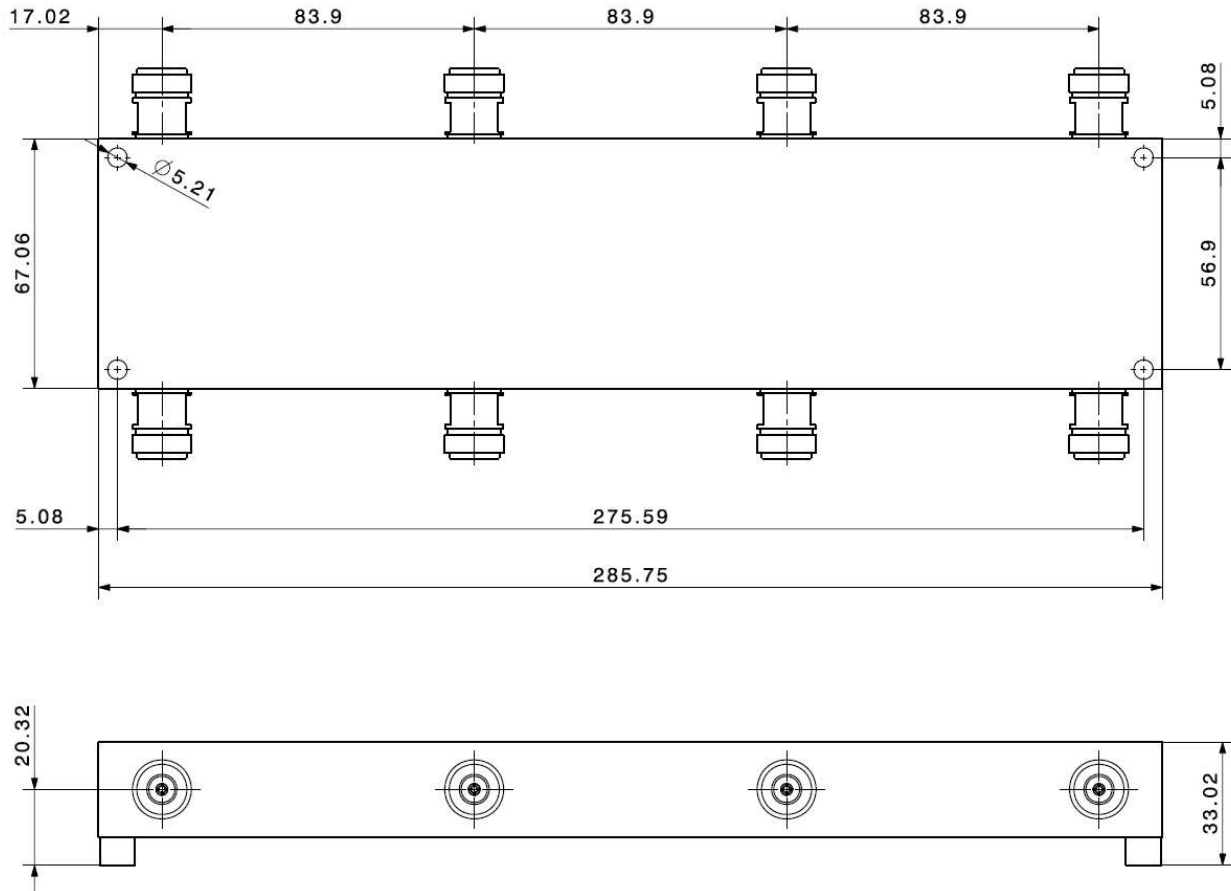
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