

# HUBER+SUHNER® DATA SHEET

## Wide Band Hybrid Matrix Combiner / Divider:

### 7406.17.0001



Rev.: F

## Hybrid Coupler

### Description

A 3:3 Hybrid Combiner combines up to three inputs. In DAS applications, all three outputs may be used to feed different cables, essentially providing lossless combining. Any unused ports must be terminated in 50 Ohm at the appropriate power rating.

This network is an important building block in combining boxes used in neutral host in-building distributed antenna system.

Supports LMR/P25, LTE, UMTS / WCDMA, CDMA, GSM, AMPS and PCS.



## Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2		
Frequency (GHz)	0.698 - 2.2	2.2 - 2.7		
Return Loss (dB)	20	20		
Coupling (dB)	4.8	4.8		
Insertion Loss (dB)	5	5.3		
Insertion Loss flatness +/- (dB)	0.8	1.3		
Isol. between Input ports (dB)	23	23		
Isol. between Output ports (dB)	23	23		
Composite Power max (W)	60	60		
Peak Envelope Power (W)	3000	3000		
Intermodulation distortion (dBc)	-150	-150		
@ 2 x Carrier Power (dBm)	43	43		
	Input 1	Input 2	Input 3	
Port Designation	J1	J2	J3	
Connector Type	N	N	N	
Gender	jack (female)	jack (female)	jack (female)	
	Ouput 1	Ouput 2	Output 3	
Port Designation	J4	J5	J6	
Connector Type	N	N	N	
Gender	jack (female)	jack (female)	jack (female)	
Char. impedance (Ω)	50			

#### Mechanical Data

Dimensions (mm) 24.94 x 89.74 x 204.12 (Height x Width x Length)  
 Weight 1.4 kg

#### Environmental Data

Environmental conditions indoor/outdoor  
 Operation 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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Storage temperature (°C)	-35 to 65
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-00172078
3D-model (Step)	DOC-0000370149

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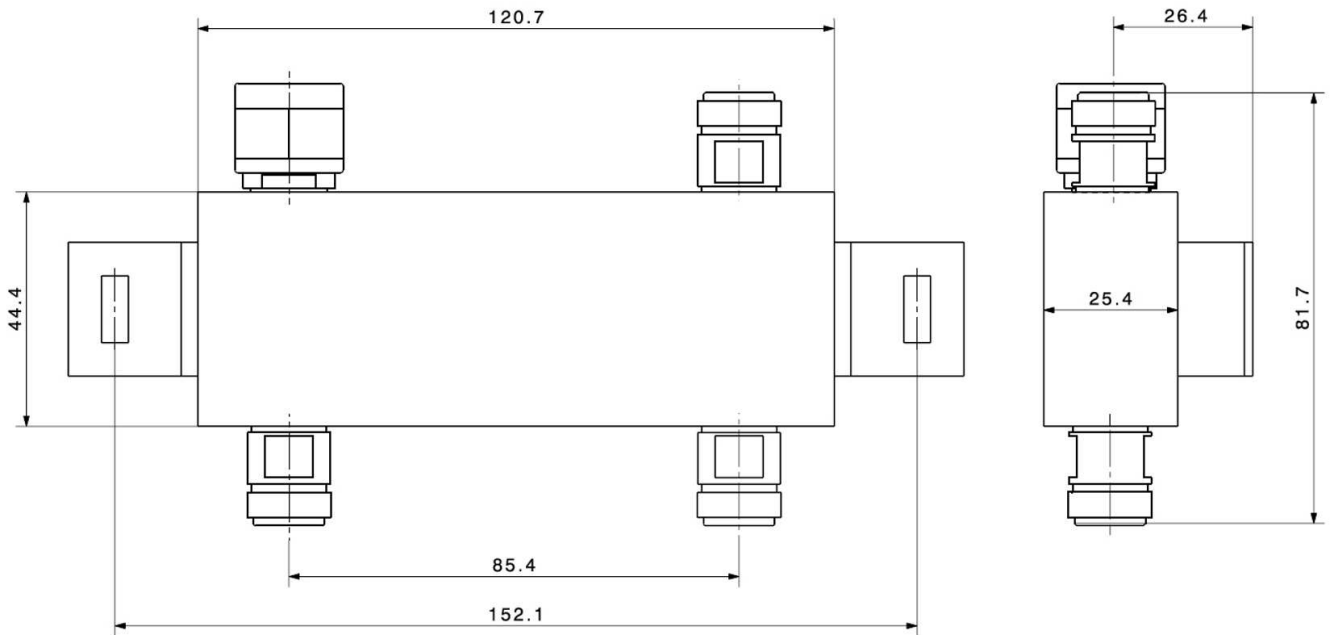
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