

HUBER+SUHNER® DATA SHEET

Low PIM, Low Loss 6 dB Stripline Coupler, 380 - 2700 MHz

7206.17.0005



Rev.: H

Directional Coupler

Description

Broadband / Multiband 698 MHz to 2700 MHz directional coupler for use in cellular mobile networks. Supports Tetra, Tetrapol, LMR/P25, LTE, UMTS/WCDMA, TD-SCDMA, AMPS, GSM, PCS, CDMA, WiFi / WLAN 2.4 GHz.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2		
Frequency (GHz)	0.38 - 2.5	2.5 - 2.7		
Return Loss (dB)	20	17		
Coupling (dB)	6	6		
Coupling Flatness +/- (dB)	1	1		
Insertion Loss (dB)	1.36	0.1		
Directivity (dB)	20	18		
Isolation (dB)	26	26		
Max. Composite Power (W)	200	200		
Peak Envelope Power (W)	3000	3000		
Intermodulation distortion (dBc)	140	140		
@ 2 x Carrier Power (dBm)	43	43		
	Main Line In	Main Line Out	Coupled Port	
Port Designation	Input	Output	6 dB	
Connector Type	N	N	N	
Gender	jack (female)	jack (female)	jack (female)	
Char. impedance (Ω)	50			

Isolated port internally terminated

Mechanical Data

Dimensions (mm)	37.58 x 75.74 x 193.55 (Height x Width x Depth)
Weight	0.68 kg

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature ($^{\circ}\text{C}$)	-35 to 75
Storage temperature ($^{\circ}\text{C}$)	-35 to 75
Transport temperature ($^{\circ}\text{C}$)	-35 to 75
IP rating	IP 64
RoHS 2002/95/EC	compliant

Material Data

Housing Material	Aluminium
Surface treatment	passivated

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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Related Documents

Mounting instruction

Painting instruction

Security instruction

Outline drawing1

3D-model (Step)

DPR-00171983

DOC-0000370141

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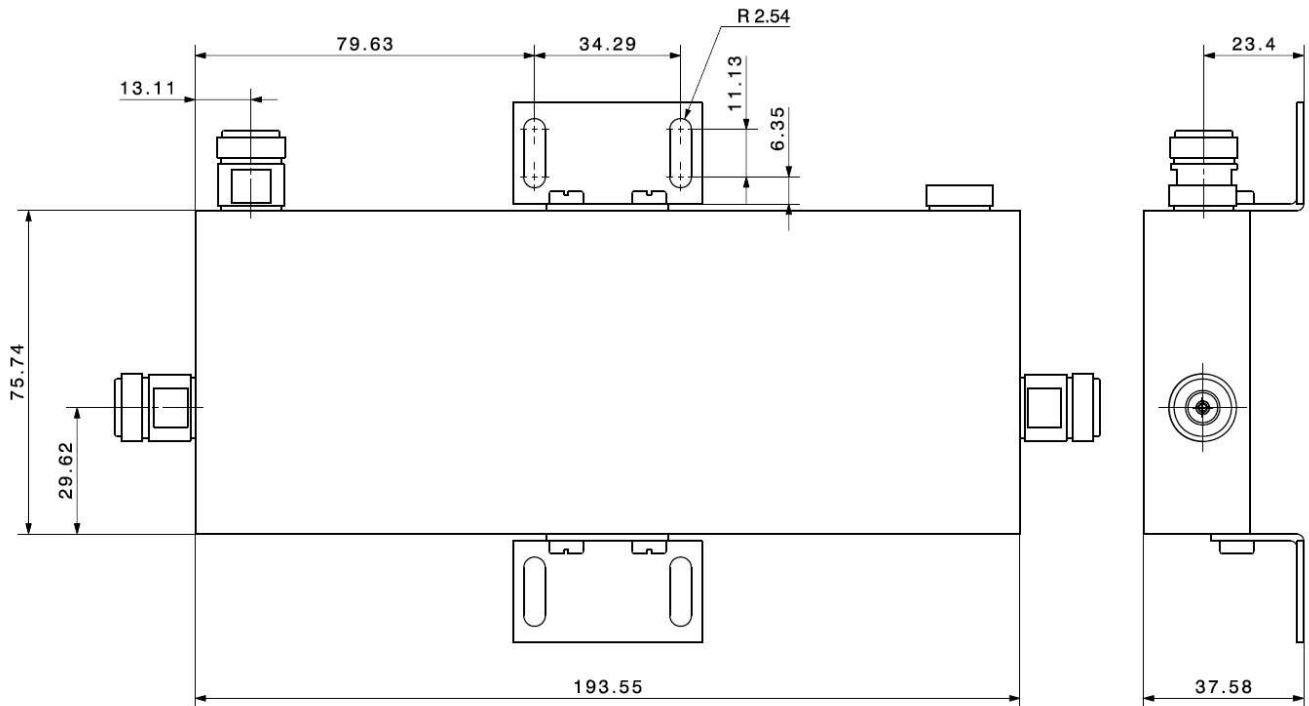
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