

HUBER+SUHNER® DATA SHEET

TETRA / LMR/P25 - Cellular Diplexer:

2501.17.0091



Rev.: D

Diplexer / Duplexer

Description

Diplexer for combination and separation of the signals in 80 MHz - 520 MHz and the 1710 - 2700 MHz wireless bands. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Attention to mechanical design ensures low passive intermodulation. Supports Tetra, LMR/P25, LTE, UMTS / WCDMA, CDMA, GSM, AMPS and PCS.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (GHz)	0.08 - 0.52	0.698 - 2.7
Return Loss (dB)	16	16
Insertion Loss (dB)	0.3	0.5
Max. Composite power (W)	50	50
Peak envelope power (W)	3000	3000
Intermodulation distortion (dBc)	150	150
@ 2 x Carrier Power (dBm)	43	43
Port Designation	J1	J2
Connector Type	N	N
Gender	jack (female)	jack (female)
Char. impedance	50 Ω all ports	

Common Port

Port Designation	J3
Connector	N, jack (female)

Return Loss Band 2, Sub-Band 960 MHz - 1500 MHz band: 12 dB

Isolation between Port J1 (80MHz - 520 MHz) and Port J2 (698 MHz - 2700 MHz):

80 MHz - 520 MHz:	50 dB
698 MHz - 800 MHz:	40 dB
800 MHz - 2500 MHz:	50 dB
2500 MHz - 2700 MHz:	30 dB

Mechanical Data

Dimensions (mm) 30.99 x 130.36 x 177.02 (Height x Width x Length)

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

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Weight 0.8 kg

Environmental Data

Environmental conditions indoor/outdoor
Operation temperature (°C) -35 to 65
Storage temperature (°C) -35 to 65
Transport temperature (°C) -35 to 65
IP rating IP 65
RoHS 2002/95/EC compliant

Material Data

Housing Material Aluminium , , A.00 , 0 ,
Surface treatment passivated

Related Documents

Mounting instruction
Painting instruction
Security instruction
Outline drawing1 DPR-00171956
3D-model (Step) DOC-0000369305

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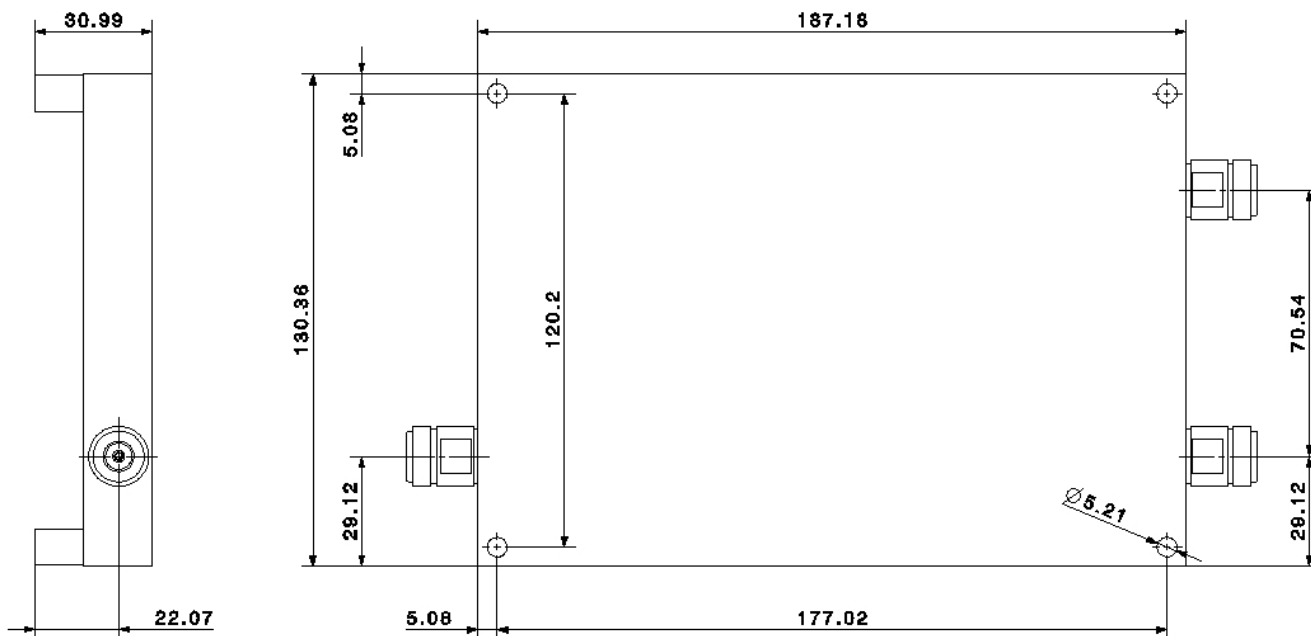
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