

HUBER+SUHNER® DATA SHEET

WiFi 2.4 GHz Injector:

7501.17.0011



Rev.: C

Diplexer / Duplexer

Description

The 7501.17.0011 diplexer is based on the 7501.17.0012 type. This model has been designed and tested to meet the European Rail Standards. The Diplexer links W-LAN 802.11(b) or (g) with Tetra, LMR/P25, and cellular wireless bands. Supports Tetra, LMR/P25, LTE, UMTS / WCDMA, TD-SCDMA, AMPS, GSM, PCS, CDMA. To minimize the effects of this WLAN Injector on system performance, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. The W-LAN Injector has been designed using passive, proprietary techniques to ensure minimal loss and very high reliability. Corner holes are provided for simple mounting to a surface or cable tray.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (GHz)	2.4 - 2.5	0.08 - 2.17
Return Loss (dB)	14	14
Insertion Loss (dB)	0.6	0.3
Insertion Loss ripple (dB)	0.1	0.1
Isolat. betw. Signal Bands (dB)		
Band1		50
Max. Composite power (W)	8	150
Intermodulation distortion (dBc)	140	140
@ 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)

DC path (DC to 20 MHz):
 J1 to J3: isolated
 J2 to J3: 2A max.

Mechanical Data

Dimensions (mm)	32.26 x 122.22 x 179.71 (Height x Width x Length)
Weight	0.91 kg

Housing Material: passivated Aluminium

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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Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-40 to 85
Storage temperature (°C)	-40 to 85
Transport temperature (°C)	-40 to 85
IP rating	IP 67
RoHS 2002/95/EC	compliant

Related Documents

Mounting instruction	
Painting instruction	
Security instruction	
Outline drawing1	DPR-00147584

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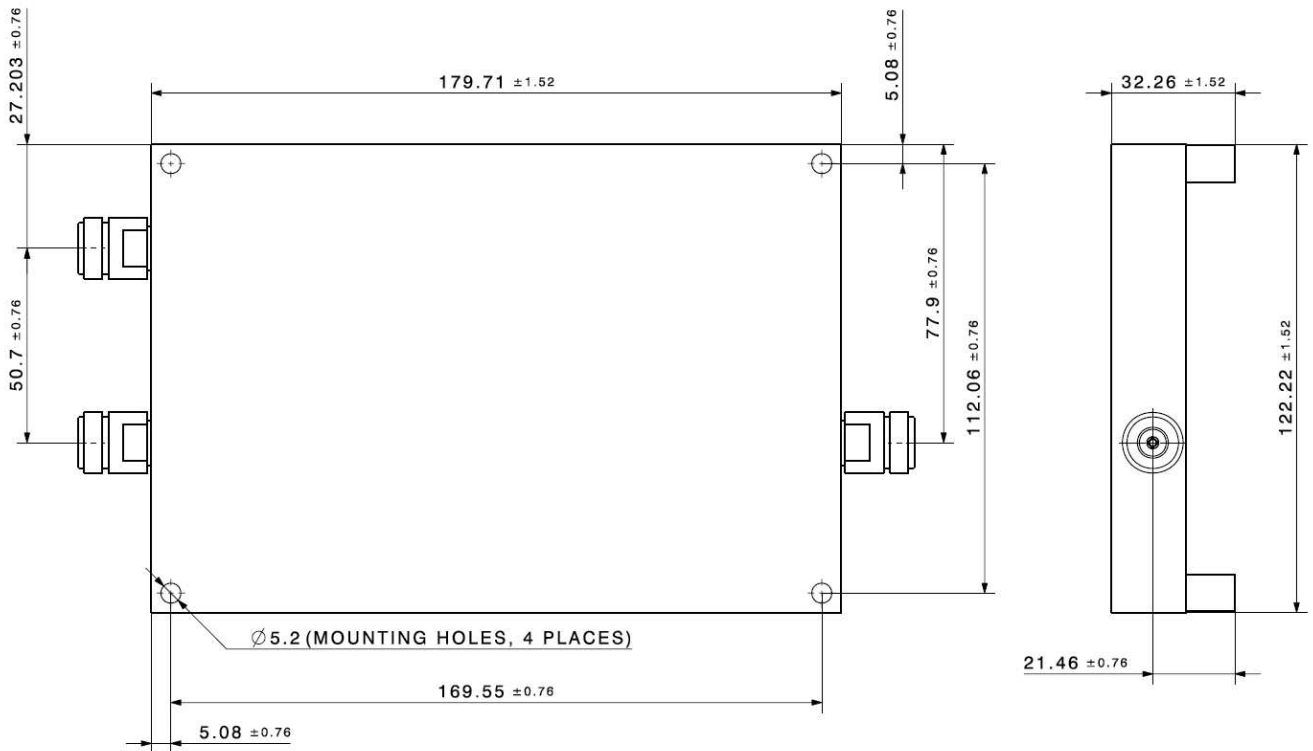
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