Data Sheet

HUBER+SUHNER

WiFi 2.4 GHz injector
7501.17.0011

Description

This diplexer links W-LAN designed to 802.11(b/g) with a coaxial distributed in-building cellular network or DAS working in the range from 80 to 2170 MHz. This gives W-LAN the benefit of the same controlled coverage as the DAS, eliminating many W-LAN uncertainties.
To minimize the effects of the Injector to the DAS the inputs are well isolated and have minimal insertion loss.
The W-LAN Injector has been designed using passive, proprietary techniques to ensure minimal loss and high reliability. Corner holes are provided for simple mounting to a surface or cable tray.

This model has been designed and tested to meet the European Rail Standards:
EN50121
EN50155: 2001, EN61373: 1999
EN60068-2-1: 1995
EN60068-2-2: 1994
EN60068-2-30: 2000

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (MHz)	0.08 - 2.17 GHz	2.4 - 2.5 GHz
Insertion loss (dB)	0.3 dB	0.6 dB
Return loss (dB)	14 dB	14 dB
Insertion loss ripple	0.1 dB	0.1 dB
Band 1		50 dB
Max. composite power	150 W	8 W
Peak envelope power	3000 W	
Intermodulation distortion	-153 dBc	-153 dBc
@ 2 x carrier power	43 dBm	43 dBm
Port Designation	J1	J2
Connector Type	N	N
Gender	jack (female)	jack (female)

Ports

Port designation	J3
Connector	N jack (female)
Impedance	50 Ω

Typcal return loss for J1 and J2 in the range from 0 to 70°C: 17 dB

Typical PIM level < -150 dBc @ 2 x 43 dBm carrier power.

Mechanical Data

Width	122.22 mm
Height	32.26 mm
Depth	179.71 mm
Weight	0.91 kg

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature	-40 °C to 85 °C
Storage temperature	-40 °C to 85 °C
Transport temperature	-40 °C to 85 °C

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IP rating	IP67
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
1907/2006/EC (REACH)	compliant

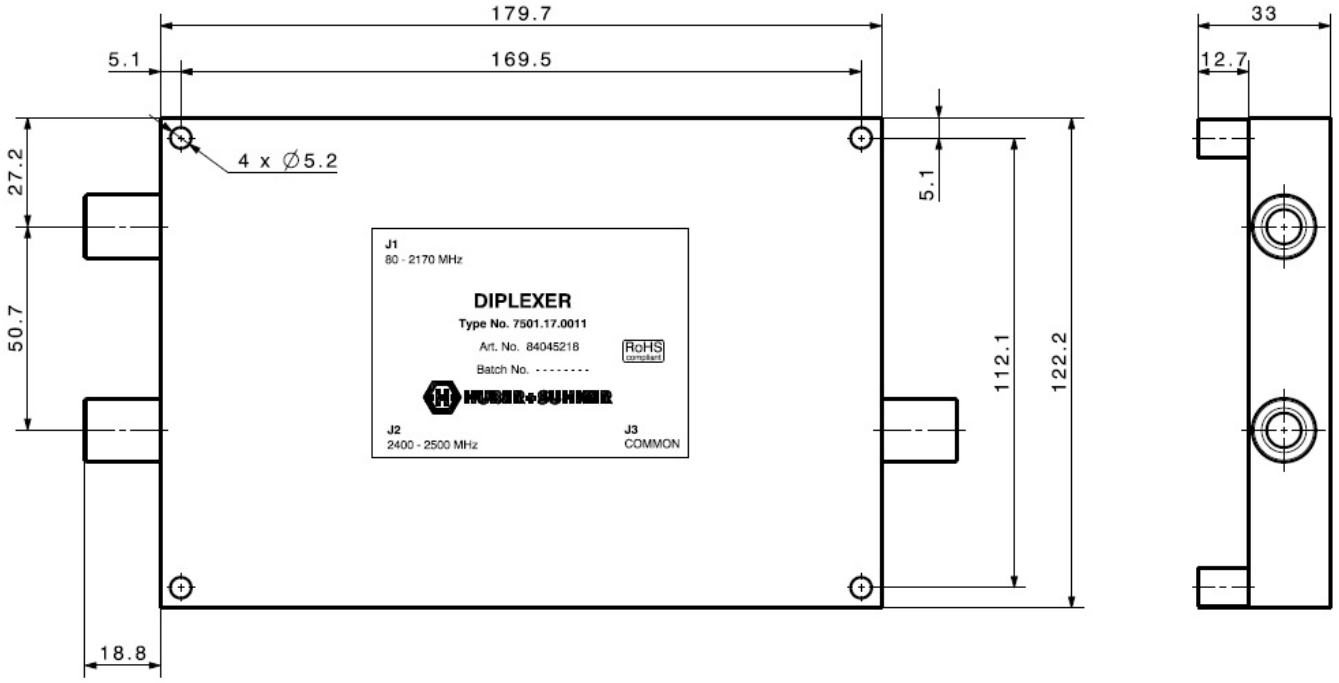
Material Data

Housing Material	Aluminium
Surface treatment	Passivated

Related Documents

Outline drawing	DOU-00287022
3D-model (Step)	DOC-0000403115

Additional Information



Dimensions in mm