### **Data Sheet**

## **HUBER+SUHNER**

# WiFi 2.4 GHz injector 2501.17.0094

#### **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.



#### **Technical Data**

#### **Electrical Data**

	Band 1	Band 2
Frequency (MHz)	2.4 - 2.5 GHz	0.08 - 2.17 GHz
Insertion loss (dB)	0.6 dB	0.3 dB
Return loss (dB)	17 dB	17 dB
Insertion loss ripple	0.1 dB	0.1 dB
Band 1		50 dB
Max. composite power	8 W	150 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

 $\begin{array}{ll} \text{Connector} & \text{N jack (female)} \\ \text{Impedance} & \text{50 } \Omega \end{array}$ 

DC path (DC to 20 MHz) to J3:

J1: isolated J2: 2 A max.

PIM -150 dBc typical

#### **Mechanical Data**

 Width
 122.22 mm

 Height
 32.26 mm

 Depth
 179.71 mm

 Weight
 0.9 kg

#### **Environmental Data**

Environmental conditions indoor

Operation temperature 0 °C to 50 °C

Storage temperature 0 °C to 50 °C

Transport temperature 0 °C to 50 °C

IP rating IP64

2011/65/EU (RoHS - including compliant 2015/863 and 2017/2102)

1907/2006/EC (REACH) compliant

#### **Material Data**

Housing Material Aluminium

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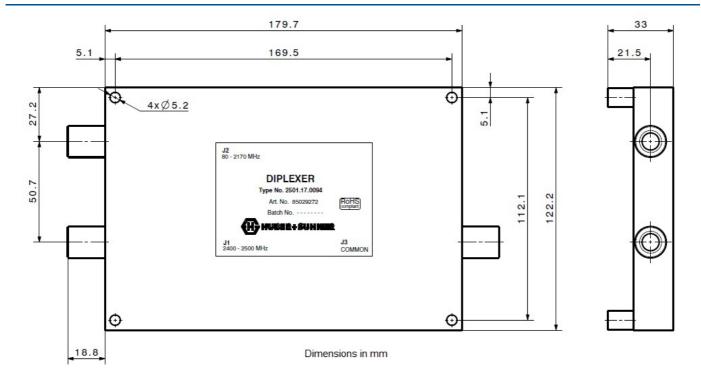
Surface treatment passivated

**Related Documents** 

 Outline drawing
 DOU-00287283

 3D-model (Step)
 DOC-0000687270

#### **Additional Information**



HUBER+SUHNER is certified according to ISO 9001, ISO 14001, AS/EN9100, ISO/TS 16949 and IRIS.

www.hubersuhner.com

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.