### **Data Sheet**

## **HUBER+SUHNER**

# TETRA + cellular + WiFi diplexer 2501.17.0092

#### **Description**

Diplexer which allows combination and separation of signals in the 80 - 960 MHz and 1695 - 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. The diplexer is designed using passive, proprietary techniques for low loss and high reliability.



#### **Technical Data**

#### **Electrical Data**

	Band 1	Band 2
Frequency (MHz)	0.08 - 0.96 GHz	1.695 - 2.7 GHz
Insertion loss (dB)	0.3 dB	0.5 dB
Return loss (dB)	20 dB	20 dB
Band 1		50 dB
Max. composite power	120 W	120 W
Peak envelope power	3000 W	3000 W
Intermodulation distortion	-155 dBc	-155 dBc
@ 2 x carrier power	43 dBm	43 dBm
Port Designation	J2	J1
Connector Type	N	N
Gender	jack (female)	jack (female)

#### **Ports**

Port designation

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

Current rating:

DC path J2 to J3: 2 A max. DC path J1 to J3: isolated

PIM -161dBc typ.

#### **Mechanical Data**

 Width
 106.7 mm

 Height
 31.7 mm

 Depth
 122.3 mm

 Weight
 0.55 kg

#### **Environmental Data**

Environmental conditions indoor

Operation temperature -35 °C to 70 °C

Storage temperature -35 °C to 70 °C

Transport temperature -35 °C to 70 °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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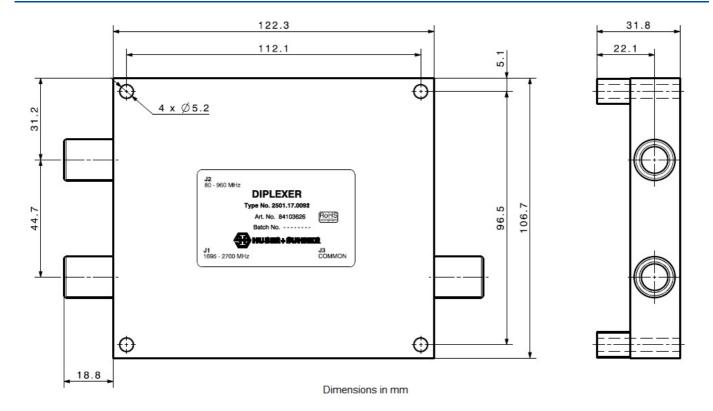
Surface treatment passivated

**Related Documents** 

 Outline drawing
 DOU-00285225

 3D-model (Step)
 DOC-0000369306

#### **Additional Information**



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