

## 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	J3
Connector	N jack (female)
Impedance	50 Ω

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 2015/863 and 2017/2102)	compliant
1907/2006/EC (REACH)	compliant

#### Material Data

Housing Material	Aluminium
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Surface treatment

passivated

### Related Documents

Outline drawing  
3D-model (Step)

DOU-00287283  
DOC-0000687270

### Additional Information

