

WiFi 2.4 + 5 GHz injector 2501.17.0097

Diplexer / Duplexer

Description

This diplexer allows efficient combining of WiFi services at the standard WiFi standards of 802.11 (a), (b), (g) and (n) at 2.4 GHz and 5.8 GHz with security and/or cellular networks or DAS working in the range from 80 to 2170 MHz. This can provide the benefit of the same controlled coverage of the higher frequency services with the DAS.

Tapped 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	Band 3
Frequency	2.4 - 2.5 GHz	4.9 - 5.85 GHz	0.08 - 2.17 GHz
Return loss	15 dB	15 dB	17 dB
Insertion loss	1 dB	0.5 dB	0.7 dB
Band 1 Band 2			35 42
Max. composite power	10 W	10 W	50 W
Port Designation	J1	J1	J2
Connector Type	N	N	N
Gender	jack (female)	jack (female)	jack (female)

Char. impedance 50 Ω all ports

Common Port

Port designation J3
 Connector N, jack (female)

Typical loss J1-J3: 0.5 dB (2.4 - 2.5 GHz) and 0.25 dB (4.9 - 5.85 GHz)

Typical loss J2-J3: 0.2 dB

DC path J1-J3: none

DC path J2-J3: < 2.5 A

Mechanical Data

Dimensions 32.4 x 84.1 x 82.1 mm (Height x Width x Depth)
 Weight 0.365 kg

Environmental Data

Environmental conditions indoor
 Operation temperature 0 °C to 55 °C
 Storage temperature 0 °C to 55 °C
 Transport temperature 0 °C to 55 °C
 IP rating IP64
 RoHS 2011/65/EC compliant

Material Data

Housing Material Aluminium , , A.00 , 0 ,
 Surface treatment Passivated

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Related Documents

Mounting instruction	
Painting instruction	
Security instruction	
Outline drawing	DOU-00286697
3D-model (Step)	DOC-0000686223

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