

HUBER+SUHNER® DATA SHEET

Wideband Cellular / WiFi Diplexer:

7501.17.0010



Rev.: F

Diplexer / Duplexer

Description

The diplexer allows efficient combining of the LMR/P25, Tetra, cellular, WiFi 2.4 GHz bands with the 5 GHz WiFi wireless band. Supports Tetra, LMR/P25, LTE, UMTS / WCDMA, TD-SCDMA, AMPS, GSM, PCS, CDMA. The unit has an extremely broad frequency range with minimal loss for maximum flexibility. This can provide the benefit of the same controlled coverage of the higher frequency services with the DAS. The Diplexer has been designed to be small and lightweight, using passive, proprietary techniques to ensure minimal loss and very high reliability. A simple bracket and tapped holes are provided for simple mounting to a surface or cable tray.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (GHz)	0.08 - 2.69	3.3 - 5.85
Return Loss (dB)	17	17
Insertion Loss (dB)	0.2	0.2
Isolat. betw. Signal Bands (dB)		
Band1		50
Max. Composite power (W)	5	50
Intermodulation distortion (dBc)	150	150
@ 2 x Carrier Power (dBm)	43	43
Port Designation	J1	J2
Connector Type	N	N
Gender	jack (female)	jack (female)
Char. impedance	50 Ω all ports	

Common Port

Port Designation	J3
Connector	N, jack (female)

Max. Passband Insertion Loss 0.8 dB

Max current rating DC path J2 to J3: 1A
Path J1 to J3: isolated

Passband Isolation J1 to J2 for 2680 MHz - 2690 MHz band: 47 dB

Mechanical Data

Dimensions (mm) 37.91 x 133.7 x 61.54 (Height x Width x Length)

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



HUBER+SUHNER AG
RF Industrial
9100 Herisau, Switzerland
Phone +41 (0)71 353 41 11
Fax +41 (0)71 353 45 90
www.hubersuhner.com

HUBER+SUHNER – Excellence in Connectivity Solutions

HUBER+SUHNER® DATA SHEET

Wideband Cellular / WiFi Diplexer:

7501.17.0010



Rev.: F

Weight 0.37 kg

Housing Material: passivated Aluminium

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-40 to 80
Storage temperature (°C)	-40 to 80
Transport temperature (°C)	-40 to 80
IP rating	IP 67
RoHS 2002/95/EC	compliant

Related Documents

Mounting instruction	
Painting instruction	
Security instruction	
Outline drawing1	DPR-00108546

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



HUBER+SUHNER AG
RF Industrial
9100 Herisau, Switzerland
Phone +41 (0)71 353 41 11
Fax +41 (0)71 353 45 90
www.hubersuhner.com

HUBER+SUHNER – Excellence in Connectivity Solutions

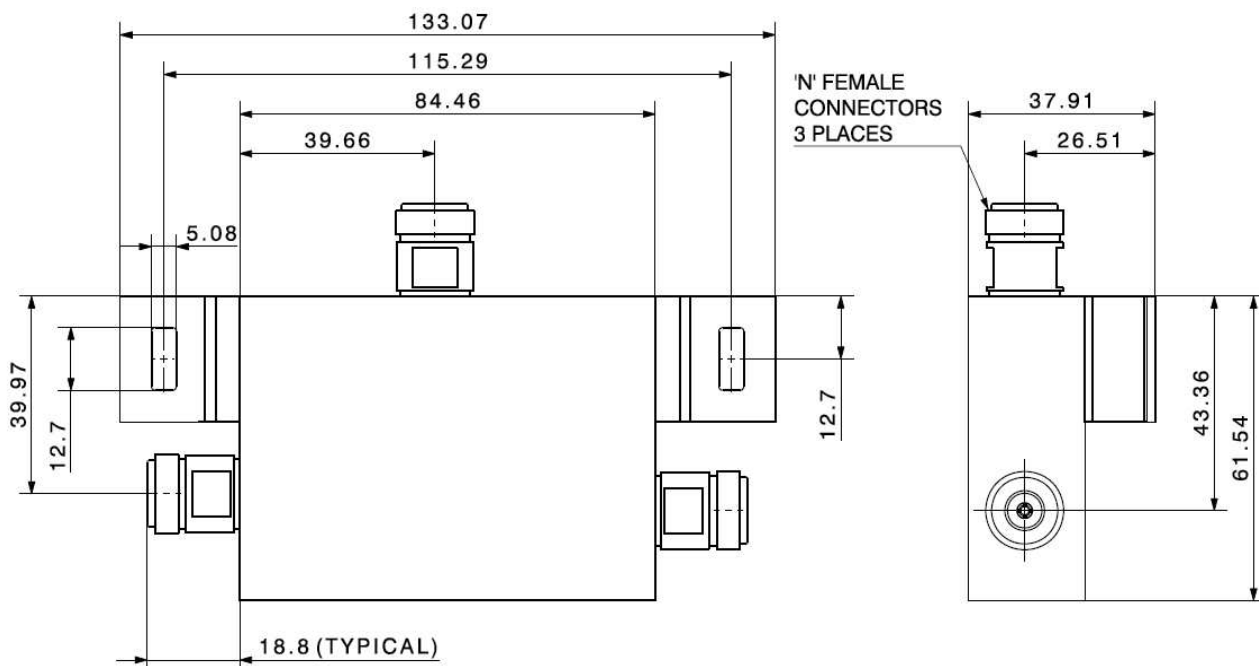
HUBER+SUHNER® DATA SHEET

Wideband Cellular / WiFi Diplexer:

7501.17.0010



Rev.: F



HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



HUBER+SUHNER AG
RF Industrial
9100 Herisau, Switzerland
 Phone +41 (0)71 353 41 11
 Fax +41 (0)71 353 45 90
www.hubersuhner.com

HUBER+SUHNER – Excellence in Connectivity Solutions