

HUBER+SUHNER® DATA SHEET

Cellular/GSM, GSM-1800-UMTS Diplexer:

7501.17.0015



Rev.: A

Diplexer / Duplexer

Description

Diplexer which allows combination and separation of the signals in 698 - 960 MHz and the 1710 - 2170 wireless bands. Supports LTE, UMTS / WCDMA, TD-SCDMA, AMPS, GSM, PCS, CDMA.

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 has been designed using passive, proprietary techniques which minimizes cost and size. At the same time it ensures minimal loss and very high reliability at input powers up to 250W per input. Through holes are provided for mounting to a surface.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (GHz)	0.698 - 0.96	1.71 - 2.17
Return Loss (dB)	19	19
Insertion Loss (dB)	0.15	0.25
Max. Composite power (W)	250	250
Peak envelope power (W)	3000	3000
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 (Ω)	50	50

Common Port

Port Designation	J3
Connector	N, jack (female)

Mechanical Data

Dimensions (mm)	35.56 x 136.4 x 179.32 (Height x Width x Length)
Weight	1.5 kg

Housing Material: passivated Aluminium

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-35 to 55
Storage temperature (°C)	-35 to 55
Transport temperature (°C)	-35 to 55
IP rating	IP 68

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

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RoHS 2002/95/EC compliant

Related Documents

Mounting instruction
Painting instruction
Security instruction
Outline drawing1 DOU-00145064

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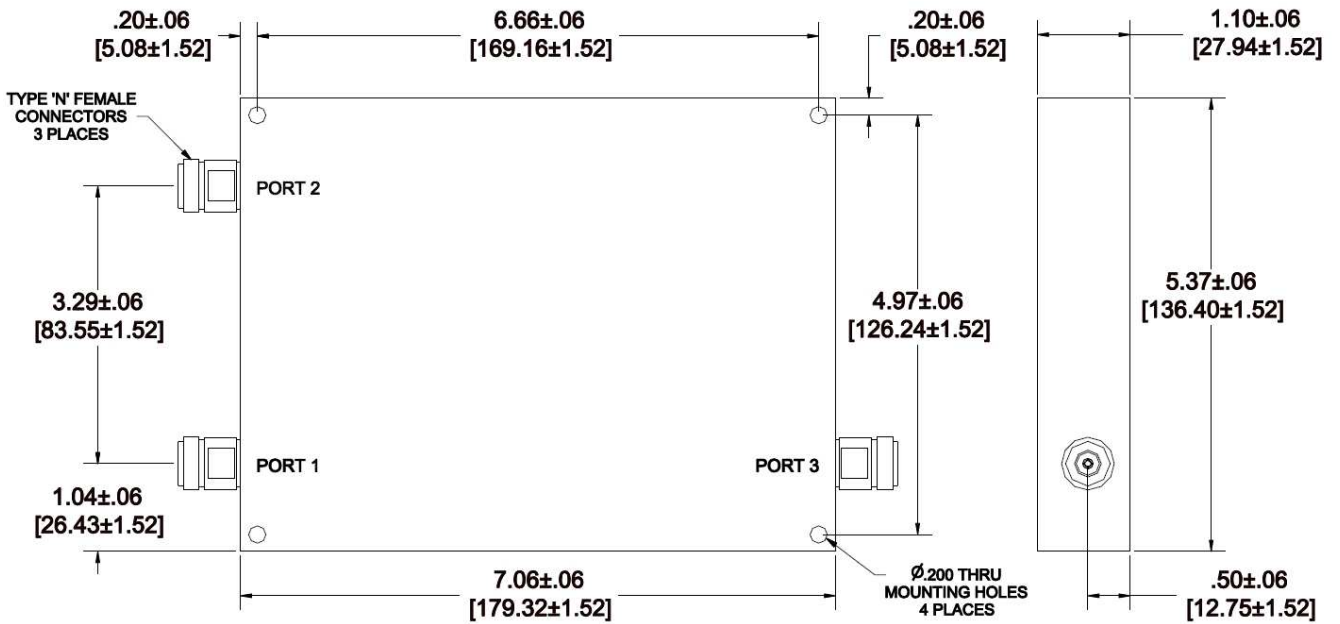
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