

HUBER+SUHNER® DATA SHEET

GSM-900, GSM-1800, UMTS-WCDMA Triplexer:

7501.17.0016



Rev.: A

Triplexer

Description

Triplexer which allows combination and separation of the signals in the 900 MHz, 1800MHz and 2 GHz wireless band. Supports GSM, CDMA, AMPS, UMTS-WCDMA, PCS.

To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. The Triplexer has been designed using passive, proprietary techniques which minimizes cost and size. Through holes are provided for simple mounting to a surface.



Product Configuration

Technical Data

Electrical Data

| | Band 1 | Band 2 | Band 3 |
|----------------------------------|---------------|---------------|---------------|
| Frequency (GHz) | 0.82 - 0.96 | 1.71 - 1.88 | 1.92 - 2.17 |
| Return Loss (dB) | 12 | 12 | 12 |
| Isolat. betw. Signal Bands (dB) | | | |
| Band1 | | 30 | |
| Max. Composite power (W) | 10 | 10 | 10 |
| Peak envelope power (W) | 3000 | 3000 | 3000 |
| Intermodulation distortion (dBc) | 140 | 140 | 140 |
| @ 2 x Carrier Power (dBm) | 40 | 40 | 40 |
| Port Designation | J1 | J2 | J3 |
| Connector Type | N | N | N |
| Gender | jack (female) | jack (female) | jack (female) |
| Char. impedance (Ω) | 50 | 50 | 50 |

Common Port

| | |
|------------------|------------------|
| Port Designation | J4 |
| Connector | N, jack (female) |

Mechanical Data

| | |
|-----------------|--|
| Dimensions (mm) | 25.02 x 202.02 x 118.2 (Height x Width x Length) |
| Weight | 0.9 kg |

Housing Material: passivated Aluminium

Environmental Data

| | |
|----------------------------|----------------|
| Environmental conditions | indoor/outdoor |
| Operation temperature (°C) | 0 to 50 |
| Storage temperature (°C) | 0 to 50 |
| Transport temperature (°C) | 0 to 50 |
| IP rating | IP 65 |
| RoHS 2002/95/EC | compliant |

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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Related Documents

Mounting instruction

Painting instruction

Security instruction

Outline drawing1

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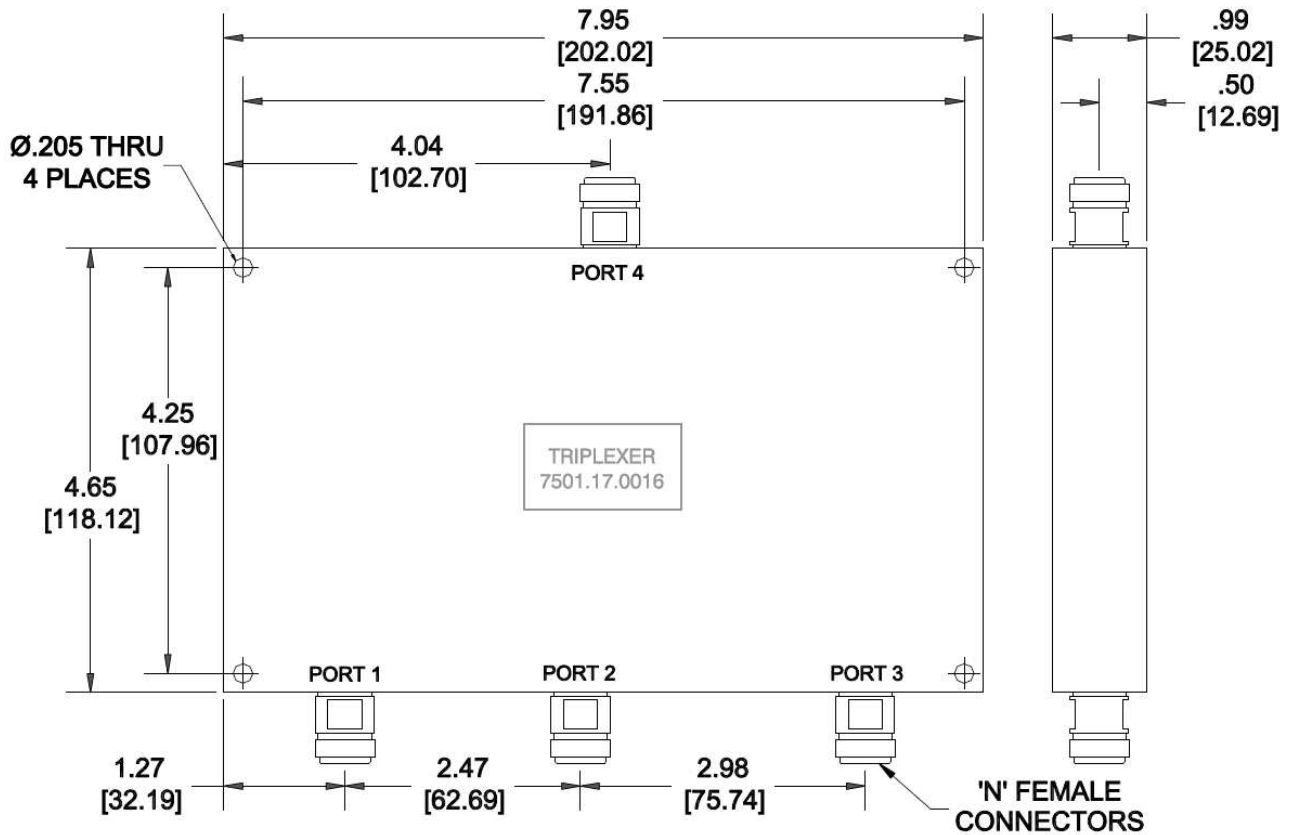
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