

HUBER+SUHNER® DATA SHEET

Low Loss 4-way Reactive Splitter, 698 MHz - 2700 MHz: 5502.41.0031



Rev.: E

reactive Splitter

Description

Broadband / Multiband 698 MHz to 2700 MHz reactive power splitter for use in cellular mobile networks. Designed to evenly split high power cellular signals with minimal reflections and loss in the LTE, UMTS/WCDMA, TD-SCDMA, AMPS, GSM, PCS, CDMA, WiFi / WLAN 2.4 GHz wireless bands. The wide frequency range allows use with multiband antennas and leaky cable systems. Rugged and lightweight design.



Product Configuration

Technical Data

Electrical Data

| | Signal Band 1 |
|------------------------------|----------------------|
| Frequency (GHz) | 0.698 - 2.7 |
| Return Loss input port | 19 dB |
| Return Loss output port | 2.5 dB |
| Splitter Loss | 6 dB |
| Insertion Loss | 6.05 dB |
| Isolation betw. output ports | 12 dB |
| Ampl. tra. betw. outp. ports | 0.25 dB |
| Max. Composite power | 500 W |
| Peak envelope power | 3000 W |

| | |
|----------------------------------|--------|
| Intermodulation distortion (dBc) | 150 |
| @ 2 x Carrier Power | 43 dBm |

| | Output 1 | Output 2 | Output 3 | Output 4 |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| Connector Type | 7/16 | 7/16 | 7/16 | 7/16 |
| Gender | jack (female) | jack (female) | jack (female) | jack (female) |
| Char. impedance | 50 Ω | | | |

Mechanical Data

| | |
|-----------------|---|
| Dimensions (mm) | 28.58 x 28.58 x 252.96 (Height x Width x Depth) |
| Weight | 1.15 kg |

Environmental Data

| | |
|----------------------------|----------------|
| Environmental conditions | indoor/outdoor |
| Operation temperature (°C) | -35 to 75 |
| Storage temperature (°C) | -35 to 75 |
| Transport temperature (°C) | -35 to 75 |
| IP rating | IP 67 |
| RoHS 2002/95/EC | compliant |

Material Data

| | |
|-------------------|------------|
| Housing Material | Aluminium |
| Surface treatment | passivated |

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
3D-model (Step)

DPR-00172671
DOC-0000369319

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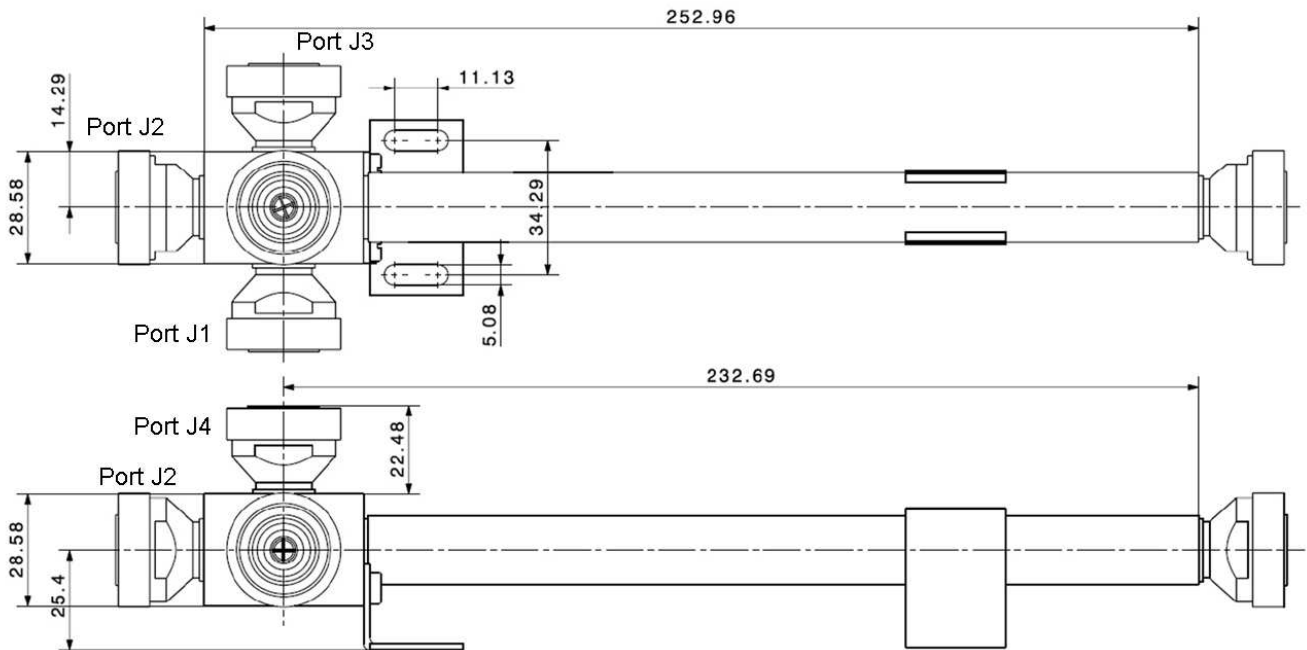
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Note: 2 way Splitter delete Port J3 & J4
 3 way Splitter delete Port J4
 4 way Splitter as drawn

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