

Two-TETRA-Station Combiner

DESCRIPTION

- The PRO-ISO-PHY-TETRA-S2-REV combiner provides the possibility of connecting up to two TETRA radios into one common antenna.
- The PRO-ISO-PHY-TETRA-S2-REV models are available in the frequency range 380 - 470 MHz (on request).
- ETSI compliant connection of two digital radios.
- The PRO-ISO-PHY-TETRA-S2-REV is the successor to the PRO-ISO-PHY-TETRA-2.
- The PRO-ISO-PHY-TETRA-S2-REV has improved isolation between the ports more than 62 dB - and lower insertion loss.
- The use of high-quality system components such as highly selective helical duplex filters and high-performance isolators provides high isolation and secure communication.
- The smallest and most compact design on the market.
- Suitable for both stationary and mobile use.
- Also available in tray for 19" rack mounting.
- Vibration and shock tested in accordance with EN-60068**.

**Tested in accordance with:

Random test: EN 60068-2-64, test specification: EN 300 019-2-5 V3.0.0.

Shock test: EN 60068-2-27, test specification: EN 300 019-2-5 V3.0.0.

Bump test: EN 60068-2-29, test specification: EN 300 019-2-5 V3.0.0.



ORDERING

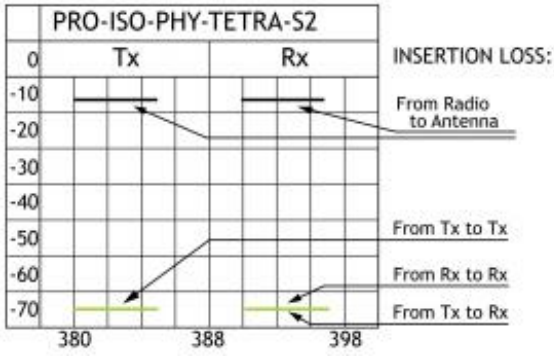
| Model | Product No. | Frequency |
|--|-------------|-------------------------------|
| 19" Front plate with connectors in front | 210002247 | |
| 19" Front plate with connectors in back | 210002248 | |
| PRO-ISO-PHY-385/390-S2-REV-N(f) | 210002253 | 380 - 385 MHz / 390 - 395 MHz |
| PRO-ISO-PHY-415/420-S2-REV-N(f) | 210002540 | 410 - 415 MHz / 420 - 425 MHz |

SPECIFICATIONS

| Electrical | |
|------------------------|---|
| Model | PRO-ISO-PHY-TETRA-S2-REV |
| Frequency | 380 - 425 MHz |
| Max. Input Power | 25 W per port |
| Insertion Loss Tx-Ant. | < 6.0 dB |
| Insertion Loss Rx-Ant. | < 6.0 dB |
| Isolation TRx - TRx | 62 dB |
| VSWR | < 1.5:1 |
| Group Delay Variation | TX-ANT. < 120 nsec. RX-ANT. < 150 nsec. |
| No. of Channels | 2 - 2 |
| Mechanical | |
| Connection(s) | N(f) |
| Colour | Black |
| Dimensions | 150 (excl. conn.) x 150 x 35 mm / 5.91 (excl. conn.) x 5.91 x 1.38" |
| Weight | 1.82 kg / 4.01 lb. |
| Environmental | |
| Ingress Protection | IP62 |

ADDITIONAL DATA

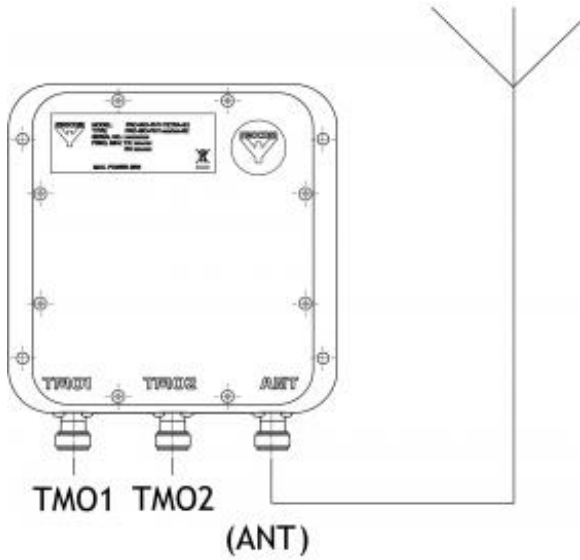
TYPICAL ATTENUATION VALUES



19" Front plate with connectors in front (210002247)



CONNECTION DIAGRAM



19" Front plate with connectors in back (210002248)



MOUNTING DETAILS

