Two-TETRA-Station Combiner



DESCRIPTION

- The PRO-ISO-PHY-TETRA-S2-REV combiner provides the possibillity 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 PPRO-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

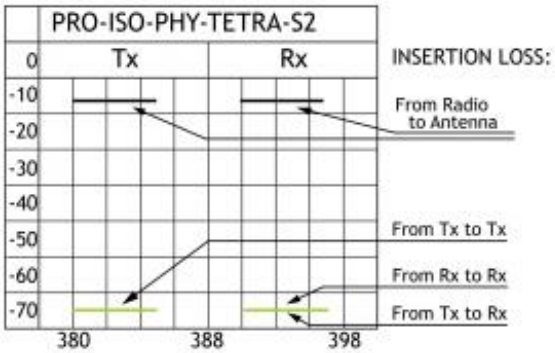
Electrical	
Model	PRO-ISO-PHY-TETRA-S2-REV
Frequency	380 - 425 MHz
Max. Input Power	25 W per port
Insertion Loss Tx-Ant.	< 6.0 dB
Insertion Loss Rx-Ant.	< 6.0 dB
Isolation TRx - TRx	62 dB
VSWR	< 1.5:1
Group Delay Variation	TX-ANT. < 120 nsec. RX-ANT. < 150 nsec.
No. of Channels	2 - 2

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

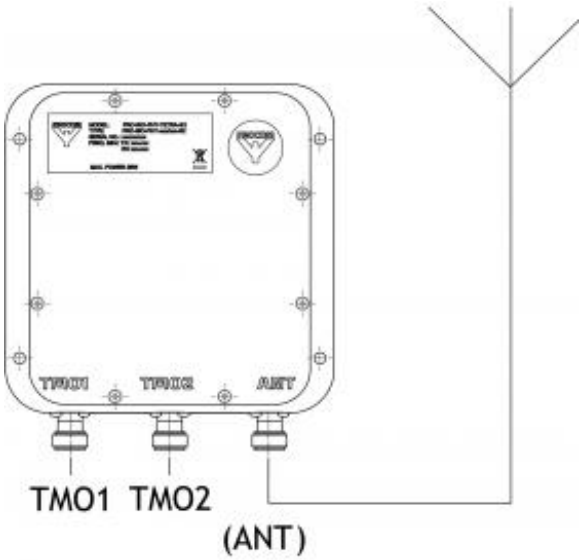
TYPICAL ATTENUATION VALUES



19" Front plate with connectors in front (210002247)



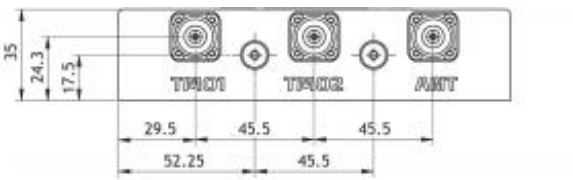
CONNECTION DIAGRAM

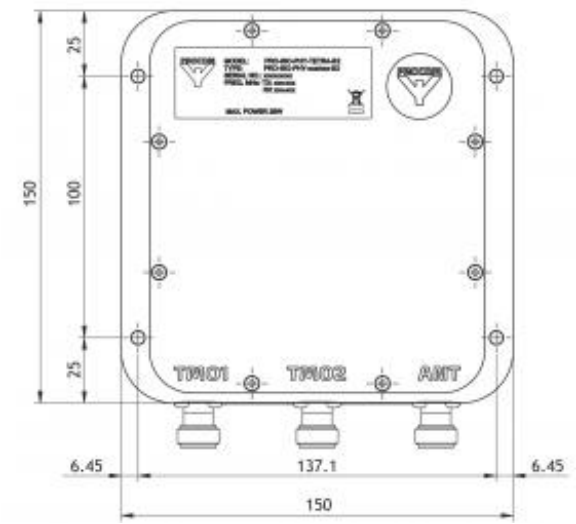


19" Front plate with connectors in back (210002248)



MOUNTING DETAILS


35
24.3
17.5
29.5
45.5
45.5
52.25
45.5
ANT


25
150
100
25
ANT
6.45
137.1
6.45
150