

Company presentation

Amphenol®

PRIVATE NETWORKS



About us

Amphenol[®]
PRIVATE NETWORKS

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PRIVATE NETWORKS

3 Brands – One group

PROCOM



SKYMASTS

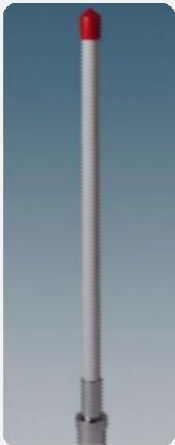
JAYBEAM Wireless



Our business

Antennas, filters and combiners systems

for professional wireless
2-way radio communication



Technologies

We cover all technologies

- Analog PMR
- DMR
- TETRA/Tetrapol
- GSM-R
- GSM/UMTS/LTE
- WiFi
- Marine HF/VHF
- GPS



Product line

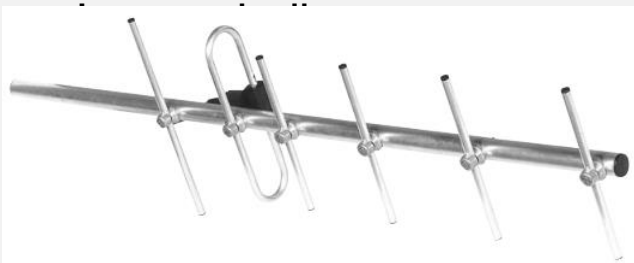
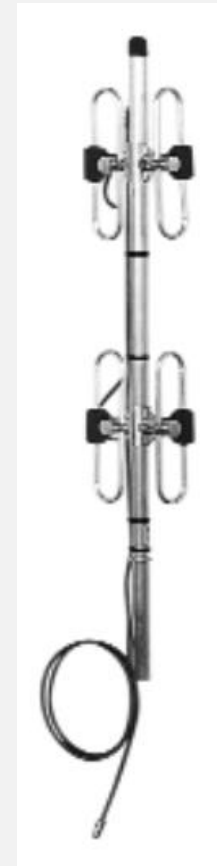
We cover a wide field
Antennas, Filters and Combiners.



Product line

Base station and Marine antennas

- Omnidirectional gain
- Yagi
- Dipole/Stacked dipole
- Ver. and X-Pol panels
- Groundplane
- Multiband antennas
- Active GPS antennas
- Indoor



Product line

Panel Antennas for Tetra

- Wide band antennas 380 – 470 MHz
- Vertical and Cross Polarized
- 65°, 90° and 120° beamwidth
- 1 meter and 2 meter high (8 to 15 dBi gain)
- Low PIM certified
- Electrical and mechanical down tilt



Product line

Atex approved Antennas

- Market requirements – for Oil & Gas applications
- Ex products Certified by UL Demko



Product line

Mobile and portable antennas

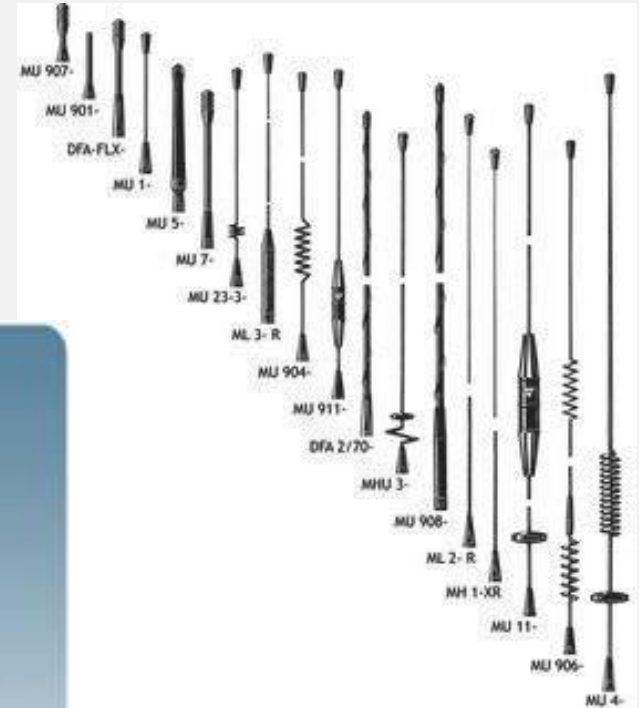
- Gain antennas
- Multi-band antennas incl. GPS
- Low profile
- Antennas for glass fibre roofs (ground plane independent)
- Antennas for motorcycles and busses
- Covert (body) antenna with GPS



Product line

Mobile XG Combi mount with GPS

- Very compact size
- Large selection of whips up to 1300 MHz, including ground plane independent.
- Cost-effective solution

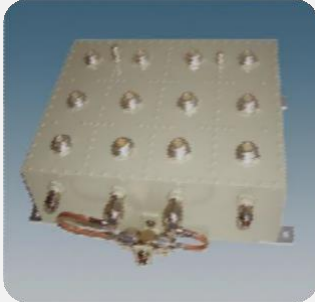


Product line

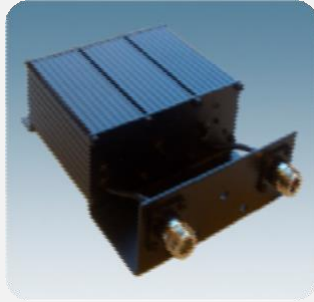
We cover a wide field

Antennas, **Filters**, and Combiners

Duplex filters



Band-pass filters



Band-reject filters



Low-pass / High pass filters



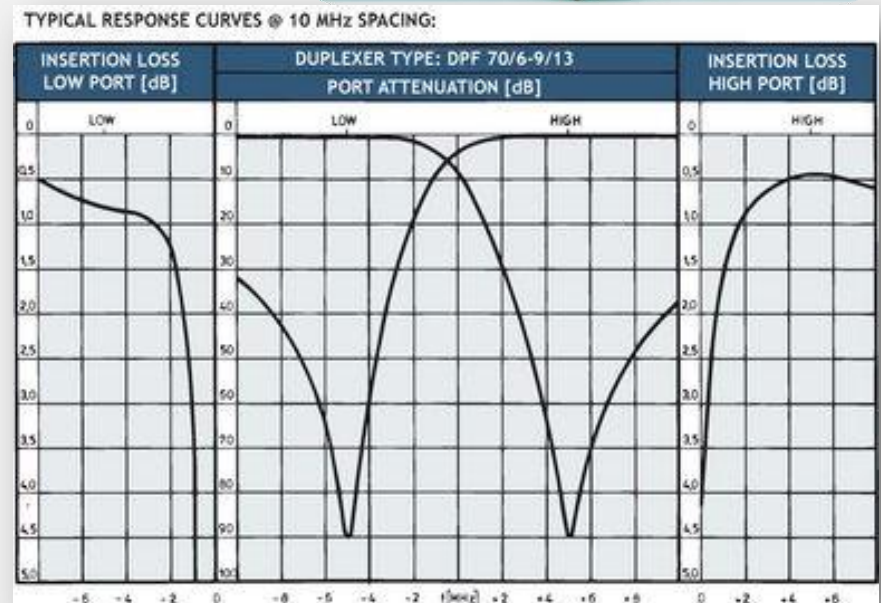
Diplexers/Triplexters



Product line

Duplex Filters

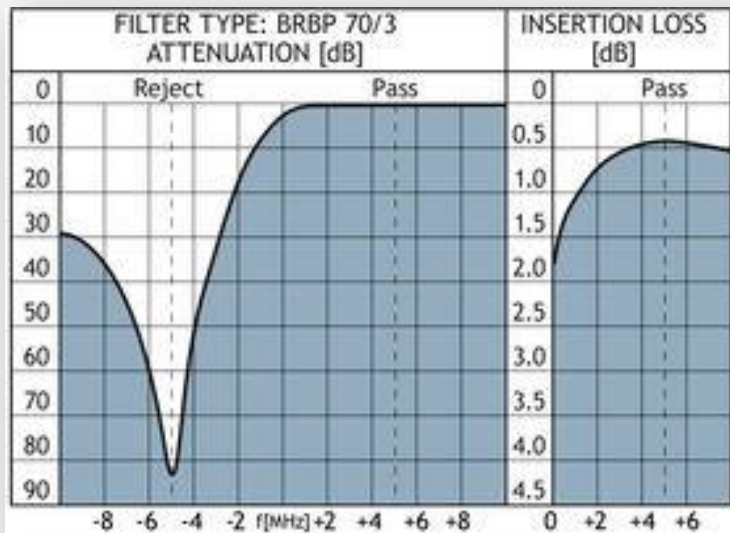
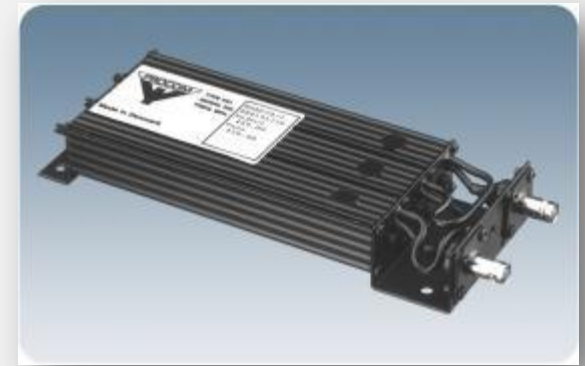
- 6-cavity duplexers for 50W and 150W
- Available with different duplex spacing and bandwidth
- Can be build into a tray
- Available with different types of connectors



Product line

Band Pass & Band Reject Filters

- Helical resonator and cavities filters
- High Q ensures high rejection
- High frequency stability on temperature and power.



BPF 2/1-200
Bsk 513-300



BPF 2/2-200
Bsk 513-300



BPF 2/3-200
Bsk 513-300

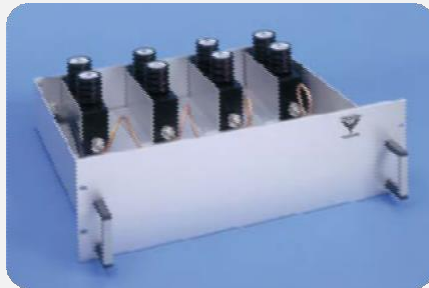
Product line

We cover a wide field
Antennas, Filters, and **Combiners**

**Cavity
Combiners**



**Hybrid
combiners**



Isolators



Power Monitors



Multicoupler



Product line

TX Cavity Combiners

- 2 to 16 channels
- 118-137 MHz aeronautical band
- 136-175 MHz VHF band
- 380-470 MHz UHF band
- High TX-TX isolation
- Very low insertion Loss
- Handling of high power transmitters

Example:

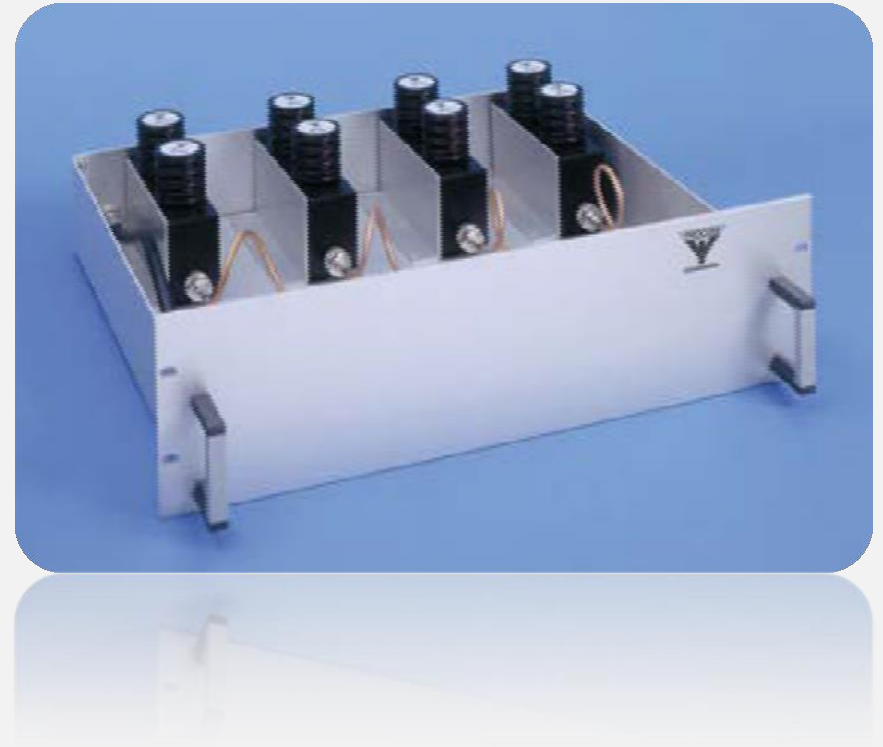
- 4 channels UHF band
- TX-TX ISOLATION > 75 dB
- Typ Insertion loss 3.3 dB @ Δ TX = 450 kHz
- MAX. INPUT POWER 150 W per channel



Product line

TX Hybrid combiners

- From 2 to 8 channels
- Up to 100W for each TX channel
- All capable of 0 MHz TX-TX spacing.
- Usable for dynamically assigned channels.
- Single or dual isolators
- 19" rack mount



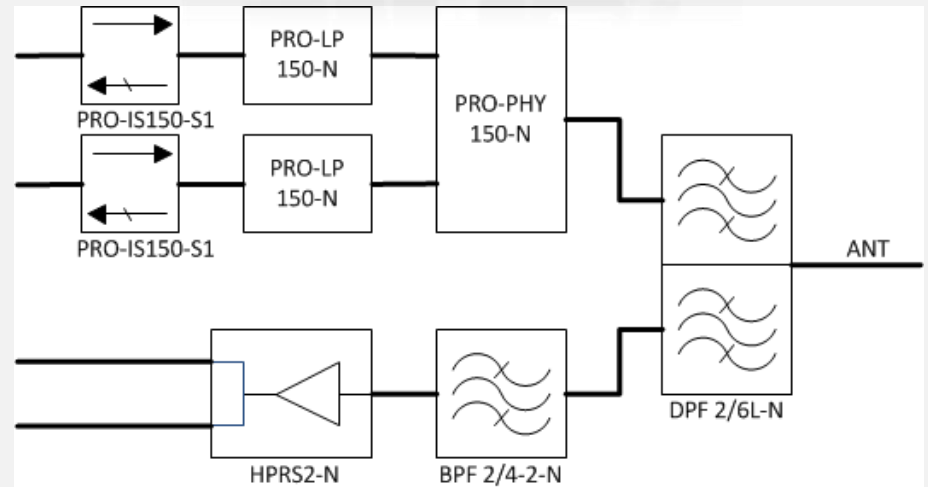
Product line

Compact integrated combiner solutions

An integrated single tray combining solution housing a 2, 3, 4-channel TX hybrid combiner, duplex filter, active RX multicouplers and preselector filter.

For VHF (136 – 175 MHz) and UHF (340 – 470 MHz)

Minimal rack space required - only 3 HU. Compatible with digital 6.25 kHz channel spacing.



Product line

2, 3 and 4 Tetra mobile station combiners

- 25 W stations
- High isolation between stations (Meets ETSI requirements for 60 dB)
- Sturdy and compact construction
- Fixed and mobile control rooms based on TETRA radio stations
- Reduction of number of antennas on mobile units to improve channel isolation



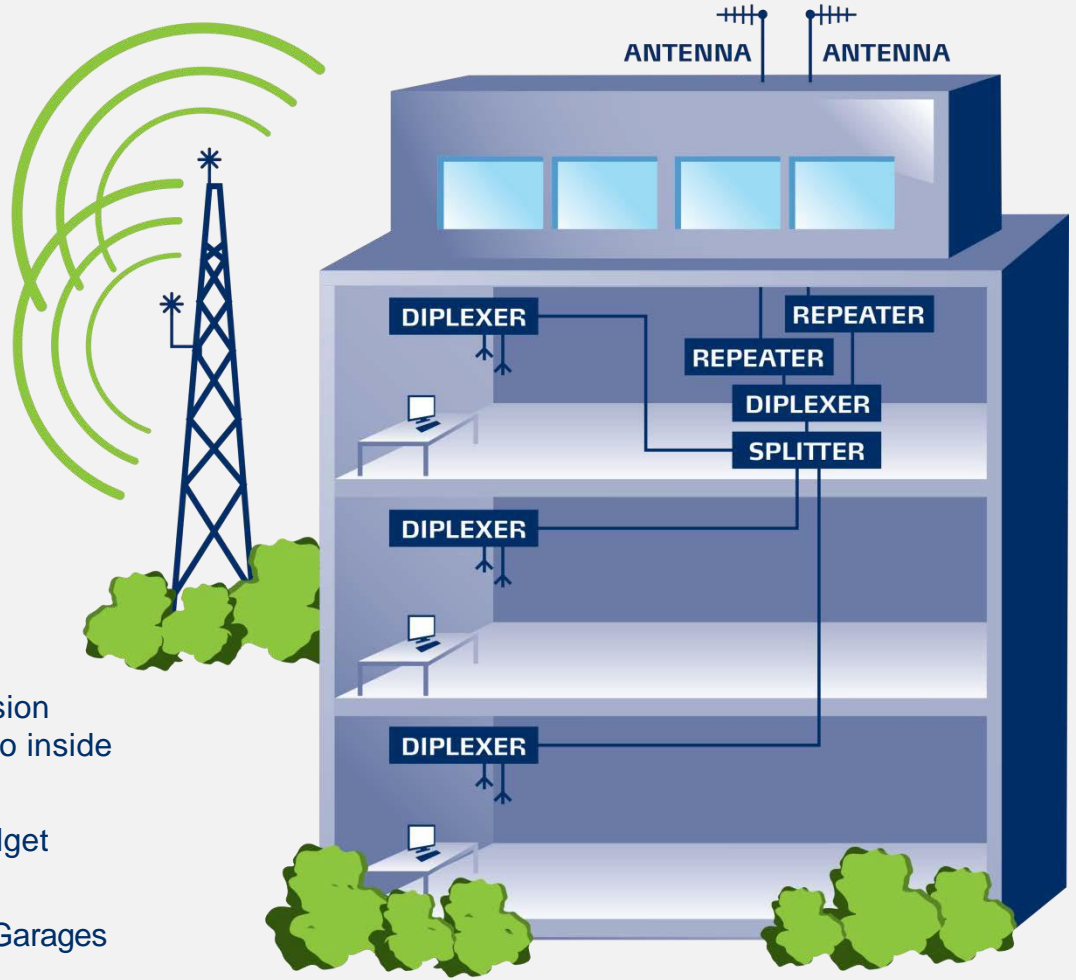
Product line

Receiver Multicouplers

- Very wide bandwidth
- Preselector filter to reduce bandwidth (optional)
- From 4 to 16 RX channels
- Gain input to all outputs
- Very low noise figures
- 220 V or 12 V supply



Distributed Antenna Systems (DAS)



- Procom supply DAS products for mission critical communication from outside to inside
- Components which fits every link budget
- Coverage for Tunnels, Buildings and Garages

Distributed Antenna Systems (DAS)

Indoor Antennas

- Wall-mount and ceiling-mount
- Vertical or circular polarized
- Single-band, Multi-band, Wide-band, Ultra-wide-band



Distributed Antenna Systems (DAS)



Diplexers



Splitters



Tappers



Wide band hybrid couplers

PROCOM A/S - Making the world smaller



Directional couplers

