

# PRO-ARHP32-4-GS-N

19" Rack-Mountable High-Performance 32-Channel RX-Multicoupler

## DESCRIPTION

- Short wave receiver multicoupler with 4 inputs and 32 outputs.
- Covers the HF-frequencies 100 kHz - 40 MHz.
- Ultra-high dynamic range amplifier to compensate for loss in multicoupler network.
- Ultra-high third-order intercept point: > +30 dBm.
- $P_{1dB} > +20$  dBm.
- Low noise figure: < 3.5 dB for amplifier.
- Built-in signal limiter protecting the input from signal voltage larger than 10 Vpp.
- Static discharge protected by gas discharge tube across the input.
- High isolation between the 32 receiver outputs: > 20 dB.
- Galvanically isolated 230 VAC/12 VDC power supply (24 V as option).
- Automatic switching to 12 V if 230 V mains supply fails.
- 19" rack module housing.
- Only 3 HU (3 height unit HU = 133.35 mm).
- N-female connectors on inputs and outputs (other types as option).
- Available with connectors on front.
- "POWER ON" lamp on front.
- 230 VAC IEC connector CEE22 fitted with mains filter.
- 12 VDC terminal connector block fitted with noise filter.



## ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-ARHP32-4-GS-N	210000363

## SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-ARHP32-4-GS-N
FREQUENCY RANGE	100 kHz - 40 MHz
GAIN INPUT TO ALL OUTPUTS	2 dB $\pm$ 2 dB
NOISE FIGURE AMPLIFIER	< 3.5 dB @ 10 MHz
NOISE FIGURE OUTPUTS	< 5.5 dB @ 10 MHz
3 <sub>rd</sub> ORDER INTERCEPT POINT	> +30 dBm
$P_{1dB}$	> +20 dBm
INPUT SWR	Max. 2.5, typically < 1.5
OUTPUT SWR	Max. 2.0, typically < 1.5
ISOLATION OUTPUT TO OUTPUT	> 20 dB
ISOLATION OUTPUT TO INPUT	> 30 dB
VOLTAGE	230 V @ 0.1 A / 12 V @ 1.8 A
MECHANICAL	
DIMENSIONS (W x H x D)	19" x 3 HU x 261 mm (483 x 133.35 x 261 mm)
WEIGHT	Approx. 4.4 kg



PROCOM A/S reserve the right to amend specifications without prior notice.

21/07/2009