

PRO-ARHP4GS-N

19" Rack-Mountable High-Performance 4-Channel RX-Multicoupler

DESCRIPTION

- Short wave receiver multicoupler with 1 input and 4 outputs.
- Covers the HF-frequencies 100 kHz - 40 MHz.
- Preselector can be built in.
- 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 4 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 1 HU (1 height unit HU = 44.45 mm).
- N-female connectors on input 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-ARHP4GS-N	210000187

SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-ARHP4GS-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
3rd ORDER INTERCEPT POINT	> +30 dBm
P1dB	> +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	> 40 dB
VOLTAGE	230 V @ 0.1 A / 12 V @ 1 A
MECHANICAL	
DIMENSIONS (W x H x D)	19" x 1 HU x 261 mm (483 x 44.45 x 261 mm)
WEIGHT	Approx. 2.8 kg



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

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