

# HPRS4W-N

## Miniature 4-Channel Receiver Multicoupler

### DESCRIPTION

- For use where four receivers have to share the same antenna.
- High isolation between the four receivers: > 20 dB.
- High-dynamic range amplifier built-in to compensate for loss in the multicoupler network.
- Ultra-high third-order intercept point, > +34 dBm.
- Low noise figure, < 4 dB for the amplifier.
- Wide frequency range. Covers 50 - 1200 MHz.
- 12 V operating voltage (24 V as option).
- N-female connectors on input and outputs (other types available).
- P1dB > +20 dBm.

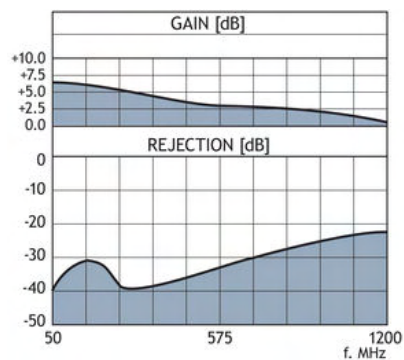
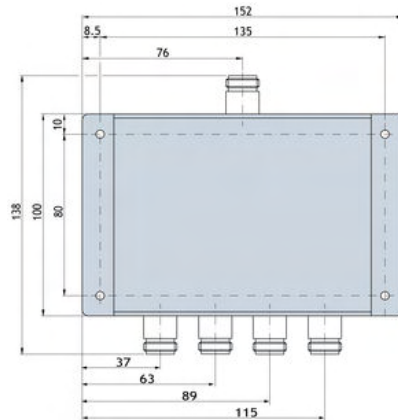


### ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
HPRS4W-N	210 000 458

### SPECIFICATIONS

ELECTRICAL	
MODEL	HPRS4W-N
FREQUENCY RANGE	50–1200 MHz
GAIN INPUT TO ALL OUTPUTS	-5 dB → +5 dB @ 500 MHz
NOISE FIGURE, AMPLIFIER	< 4 dB @ 500 MHz
NOISE FIGURE, OUTPUTS 1-2-3-4	< 6 dB @ 500 MHz @ 0 dB gain
3rd ORDER INTERCEPT POINT	> +34 dBm @ 500 MHz (@ max. gain)
P1dB	> +20 dBm (@ max. gain)
INPUT SWR	Max. 1.5 typically < 1.1
OUTPUT SWR	Max. 1.5 typically < 1.1
ISOLATION OUTPUT TO OUTPUT	> 20 dB
ISOLATION OUTPUT TO INPUT	> 25 dB
VOLTAGE	12 V @ 210 mA
MECHANICAL	
DIMENSIONS (L x W x H)	138 (incl. connectors) x 152 (incl. flanges) x 35 mm
WEIGHT	Approx. 435 g



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

06/08/2010