

HPRS

Miniature Receiver Multicoupler series for the VHF and low UHF band

DESCRIPTION

- Active wideband receiver multicoupler for the VHF band and the low part of the UHF band with one input and two or four outputs.
- For use where a number of receivers have to share the same antenna.
- Wide frequency range. Covers 50 - 960 MHz.
- Other versions available:
 - HPRS-S : 10 kHz - 108 MHz
 - HPRS-U : 790 MHz - 2.7 GHz
- High-dynamic range amplifier built in to compensate for loss in the multicoupler network.
- High OIP2 and OIP3.
- Low amplifier noise figure.
- High isolation between receiver outputs.
- 12 V operating voltage (24 V as option).
- Coated with black vinyl to prevent corrosion.
- Available with N-, TNC- or BNC-female connector types.



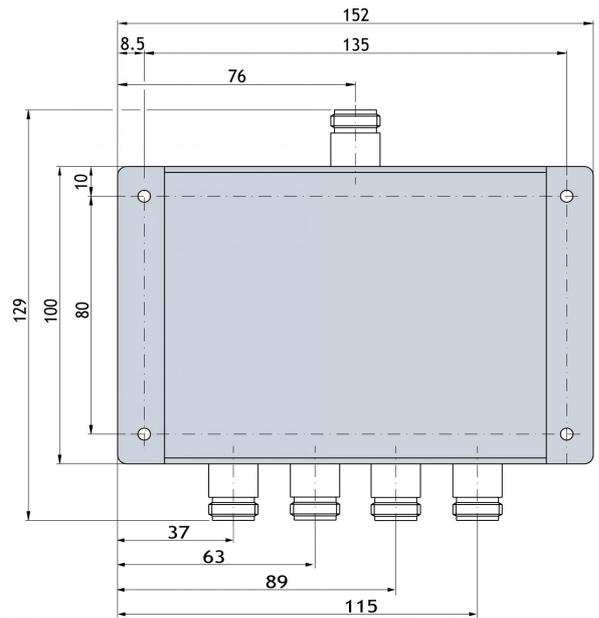
ORDERING DESIGNATIONS

TYPE	NO. OF OUTPUTS	PRODUCT NO.
HPRS2-N(f)	2	210000201
HPRS2-TNC(f)	2	210001958
HPRS2-BNC(f)	2	210000319
HPRS4-N(f)	4	210000188
HPRS4-TNC(f)	4	210001959
HPRS4-BNC(f)	4	210000321

SPECIFICATIONS

ELECTRICAL	
MODEL	HPRS
FREQUENCY RANGE	50 – 960 MHz
GAIN INPUT TO ALL OUTPUTS	-7 dB → +3 dB @ 400 MHz, adjustable
NOISE FIGURE, AMPLIFIER	< 3.5 dB @ 400 MHz
P _{1dB}	> +20 dBm @ max. gain
OIP ₂	> +65 dBm @ max. gain
OIP ₃	> +37 dBm @ max. gain
ISOLATION BETWEEN OUTPUTS	> 20 dB
ISOLATION OUTPUT TO INPUT	> 25 dB
IMPEDANCE	Nom. 50 Ω
INPUT SWR	Max. 2.5 typically < 2.0
OUTPUT SWR	Max. 2.0 typically < 1.5
SUPPLY VOLTAGE/CURRENT	12 V @ 400 mA
MECHANICAL	
TEMP. RANGE	-30° C → +50° C
CONNECTORS	N-, TNC- or BNC-female (Please see ordering designations)
DIMENSIONS (L x W x H)	129 x 152 x 35 mm / 5.08 x 5.98 x 1.38 in. (incl. connectors and flanges)
WEIGHT	Approx. 360 g / 0.79 lb.
MOUNTING	∅4 / ∅0.16 in. (four holes)

MOUNTING DETAILS



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

07/04/14