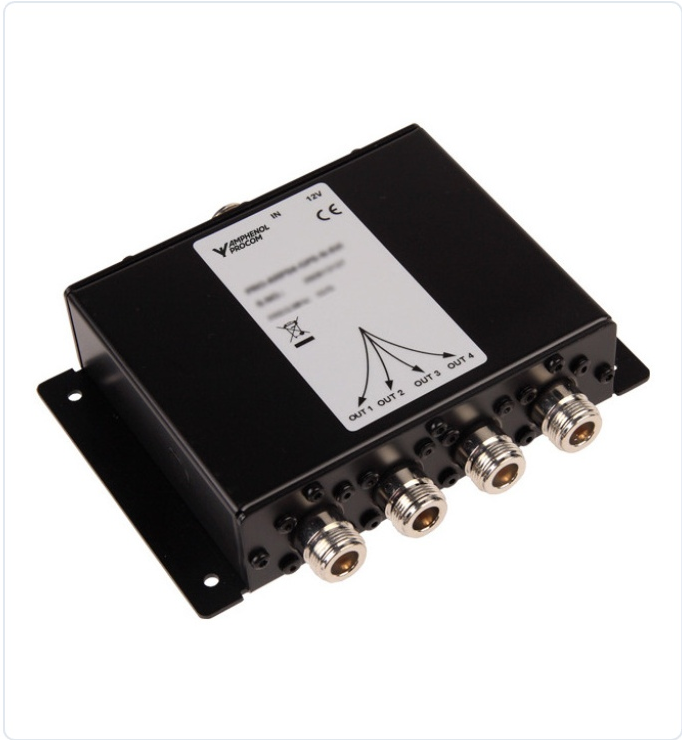




HPRS-W

Miniature 4-Channel Receiver Multicoupler for the VHF and low UHF band with extended frequency range



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, > 30 dBm.
- Low noise figure, < 4 dB for the amplifier.
- Wide frequency range. Covers 50 – 1200 MHz.
- 12 V operating voltage.
- DC supply on solder terminal.
- N-female connectors on input and outputs (other types available).
- $P_{1dB} > 14$ dBm.

SPECIFICATION

Electrical	
Power Supply	12 V @ 210 mA
Model	HPRS-W
Gain (Input To All Outputs)	2 dB $\pm$ 2 dB
Frequency	50 – 1200 MHz
Noise Figure, Amplifier	< 4 dB @ 500 MHz
Noise Figure, Outputs	< 6 dB @ 500 MHz
Output 3. Order Intercept point (OIP3)	>30 dBm
P1dB	>14 dBm
Isolation between outputs	> 20 dB
Output-Input Isolation	> 25 dB

Input VSWR	< 2.0:1
Input-Output Isolation	> 25 dB
Output VSWR	Max. 1.5:1
No. of channels	4
Environmental	
Operating temperature range	-30 °C to +50 °C
Ingress Protection	IP31
Mechanical	
Mounting Hole	5 mm / 0.20 in. dia. (four holes)
Historic Brand	Amphenol Procom
Dimensions	129 (incl. conn.) x 152 (incl. flanges) x 35 mm / 5.08 (incl. conn.) x 5.98 (incl. flanges) x 1.38 in.
Weight	Approx. 0.435 kg / 0.96 lb.

ORDERING CODES

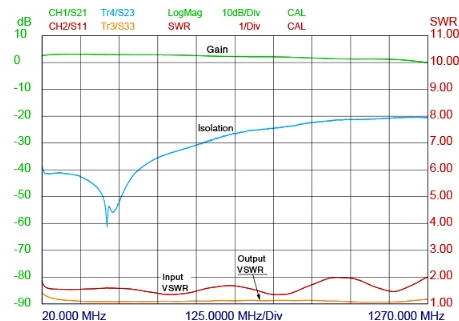
Model	Product No.
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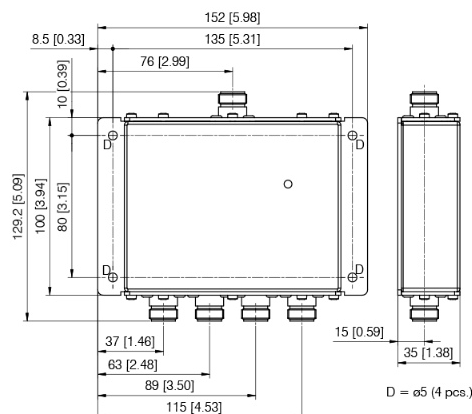
Contact for availability (Ref: 32)

ADDITIONAL INFORMATION

Typical Gain and VSWR curve



Mounting Details



All dimensions are given in mm [in.]

EU and UK Declaration of Conformity

Hereby Amphenol Procom declare that the product type HPRS-W is in compliance with EU Directive 2014/53/EU and the UK Radio Equipment Regulations 2017 (S.I. 2017 No. 1206).

The full text of the Declaration of Conformity is available at:

<https://amphenolprocom.com/https://s3.us-west-2.amazonaws.com/catsy.1080/Declaration-of-Conformity-HPRS-W.pdf>

