

PRO-ARPS4-GPS-N-...

4-Channel Active Receiver Multicoupler for 1575 MHz

DESCRIPTION

- For use where four GPS receivers have to share the same antenna or where GPS signal shall be divided into a distribution network.
- High isolation between the four outputs: > 20 dB.
- High-dynamic range amplifier built in to compensate for loss in the multicoupler network.
- Built-in BP filter at input.
- High third-order intercept point, > +16 dBm.
- Low noise figure, < 3 dB for the amplifier (incl. input filter).
- Wide supply voltage range.
- N-female connectors on input and outputs (other types available).
- DC voltage at input to feed active GPS antennas as option.



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	DC VOLTAGE AT INPUT
PRO-ARPS4-GPS-N	210001609	None
PRO-ARPS4-GPS-N-DC	210000313	Equals supply voltage
PRO-ARPS4-GPS-N-DC/5V	210000312	5V

SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-ARPS4-GPS-N-...
FREQUENCY RANGE	1575 MHz \pm 10 MHz
GAIN INPUT TO ALL OUTPUTS	3 dB \pm 0.5 dB
NOISE FIGURE, AMPLIFIER	< 3 dB
NOISE FIGURE, OUTPUTS 1-2-3-4	< 4 dB
OIP ₃	> +16 dBm
P1dB	> +6 dBm
SELECTIVITY	> 25 dB down at \pm 40 MHz
IMPEDANCE	Nom. 50 Ω
INPUT SWR	Max. 2.5 typically < 2.0
OUTPUT SWR	Max. 1.5
ISOLATION OUTPUT TO OUTPUT	> 20 dB
ISOLATION OUTPUT TO INPUT	> 25 dB
SUPPLY POWER	8 to 30V @ 40 mA
MECHANICAL	
TEMP. RANGE	-30°C \rightarrow +60°C
CONNECTORS	N-female
DIMENSIONS (L x W x H)	138 (incl. connectors) x 152 (incl. flanges) x 53 mm
WEIGHT	Approx. 300 g



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

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