

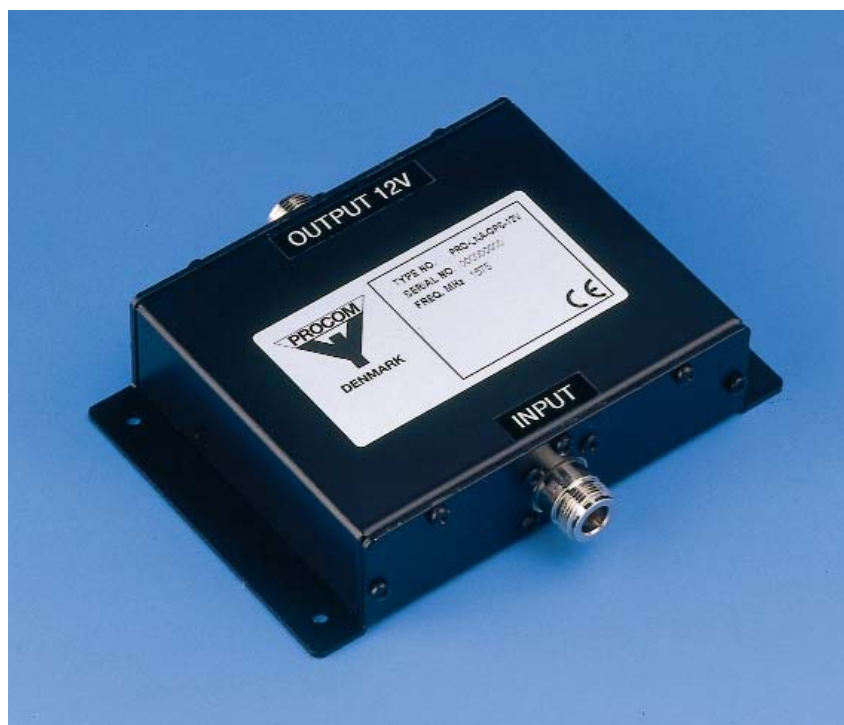
# PRO-LNA-GPS-12V

Low-noise Preamplifier for 1575 MHz



## DESCRIPTION:

- ★ Miniature high-dynamic range low-noise preamplifier.
- ★ For use where additional preamplification is required:
  - receivers with long antenna cabling
  - measuring instruments
  - antenna distribution systems
  - scanners.
- ★ Low noise figure: < 3 dB incl. input filter.
- ★ 12 V operating voltage (24 V as option).



## SPECIFICATIONS:

ELECTRICAL	
MODEL	PRO-LNA-GPS-12V
FREQUENCY RANGE	1575 MHz
GAIN [S <sub>21</sub> ]	27 dB
NOISE FIGURE	< 3 dB (incl. input filter)
3rd ORDER INTERCEPT POINT	> 15 dBm
1 dB COMPRESSION POINT	> 10 dBm
SELECTIVITY	> 20 dB down at ± 100 MHz
IMPEDANCE	Nom. 50 Ω
SWR (INPUT & OUTPUT)	Max. 2.5 typically < 2.0
SUPPLY POWER	12 V @ 50 mA
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTORS	N-female
DIMENSIONS (L x W x H)	138 (incl. conn.) x 152 (incl. flanges) x 35 mm
WEIGHT	Approx. 500 g