

PRO-LNA-70-12V

Low-noise Preamplifier for 400-475 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.
- ★ High P_{1dB} compression point.
- ★ High third-order intercept point: $> +30$ dBm.
- ★ Low noise figure: < 2 dB.
- ★ Band-segmented frequency range. Series covers 10 kHz-1300 MHz.
- ★ 12 V operating voltage (24 V as option).
- ★ N-female connectors on input and outputs (other types available).



SPECIFICATIONS:

ELECTRICAL	
MODEL	PRO-LNA-70-12V
FREQUENCY RANGE	400-475 MHz
GAIN [S21]	+5 dB → +15 dB adjustable
P_{1dB}	+15 dBm (@15 dB gain)
NOISE FIGURE	< 2 dB @ 450 MHz
3rd ORDER INTERCEPT POINT	$> +30$ dBm @ 15 dB gain
INPUT SWR	Max. 2.5, typically < 1.5
OUTPUT SWR	Max. 1.5, typically < 1.3
ISOLATION OUTPUT TO INPUT	> 25 dB
VOLTAGE	11-14 V @ 12 V: 85 mA (24 V as option)
MECHANICAL	
DIMENSIONS (L x W x H)	138 (incl. conn.) x 152 (incl. flanges) x 35 mm
WEIGHT	Approx. 280 g

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