

PRO-LNAHP-4-3-2-12V Low-noise Preamplifier for 66–180 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 compression point, $P_{1dB} > 20$ dBm.
- ★ Ultra high third-order intercept point: $> +37$ dBm.
- ★ Low noise figure: < 1.2 dB.
- ★ 12 V operating voltage (24 V as option).



SPECIFICATIONS:

ELECTRICAL	
FREQUENCY RANGE	68–180 MHz
GAIN [S ₂₁]	17 dB ± 1 dB (Gain adj. 0/-10 dB)
NOISE FIGURE	< 1.2 dB
3rd ORDER INTERCEPT POINT	> 37 dBm
1 dB COMPRESSION POINT	> 20 dBm
ISOLATION OUTPUT TO INPUT	> 20 dB
IMPEDANCE	Nom. 50 Ω
SWR (INPUT & OUTPUT)	Max. 2.0 typically < 1.5
SUPPLY POWER	12 V @ 100 mA
MECHANICAL	
TEMP. RANGE	-30° C i +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