

AMP 50-1G

Miniature Ultra-High Dynamic
Low-noise Preamplifier

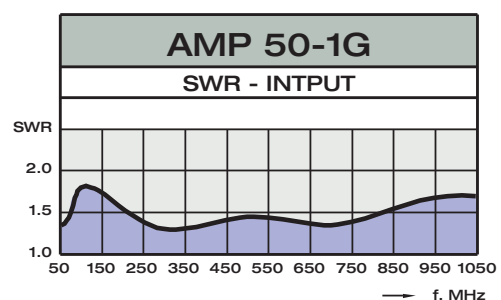
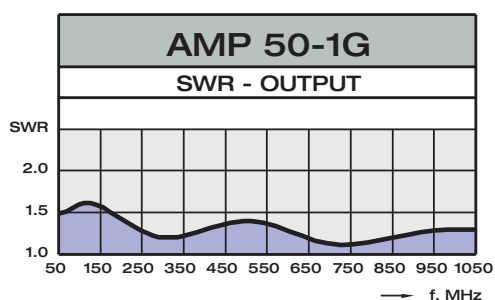
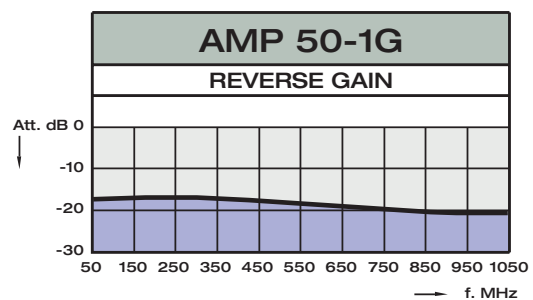
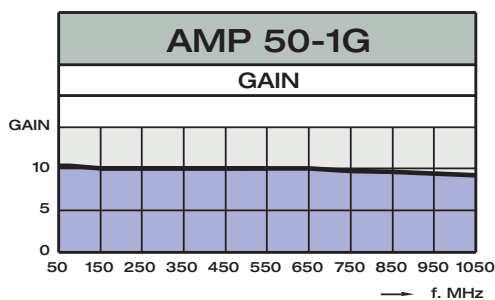
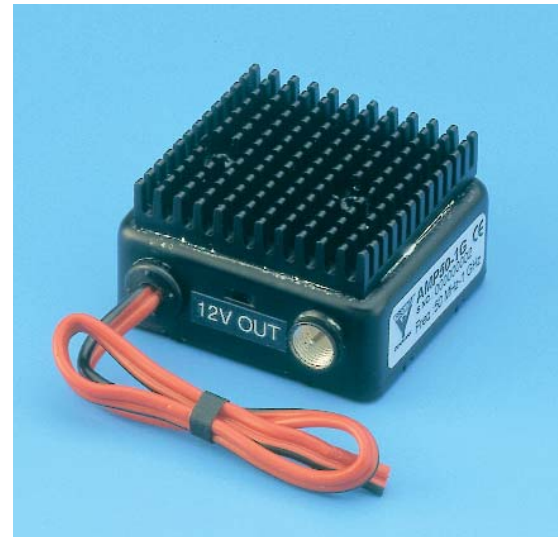


DESCRIPTION:

- ★ Miniature ultra-high dynamic low-noise preamplifier.
- ★ Ultra-high P_{1dB} -compression point.
- ★ Ultra-high 3rd order intercept point $\geq +37$ dB.
- ★ To be used where extra preamplification is needed:
 - receivers with long antenna cabling
 - measuring instruments
 - multicoupler systems
 - scanners.
- ★ Low noise figure < 3.5 dB.
- ★ Firm gain 9 dB.
- ★ 12 V operational voltage (24 V as option).
- ★ Provided with FME-male connector on input and output.

SPECIFICATIONS:

ELECTRICAL	
MODEL	AMP 50-1G
FREQUENCY RANGE	50–1000 MHz (5–500 MHz as option)
GAIN [S21]	+9 dB \pm 2 dB
P_{1dB}	+27 dBm
NOISE FIGURE	≤ 3.5 dB @ 500 MHz
3 rd ORDER INTERCEPT POINT	+37 dB
INPUT SWR	Max. 3 typically ≤ 1.5
OUTPUT SWR	Max. 3.5 typically ≤ 1.3
ISOLATION OUTPUT TO INPUT	> 16 dB
VOLTAGE	11–14 V @ 12 V; 300 mA (24 V as option)
MECHANICAL	
CONNECTORS	FME-male, 2 pcs. + flexible wire
DIMENSIONS (L x W x H)	50 x 40 x 20 mm
WEIGHT	Approx. 95 g



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