



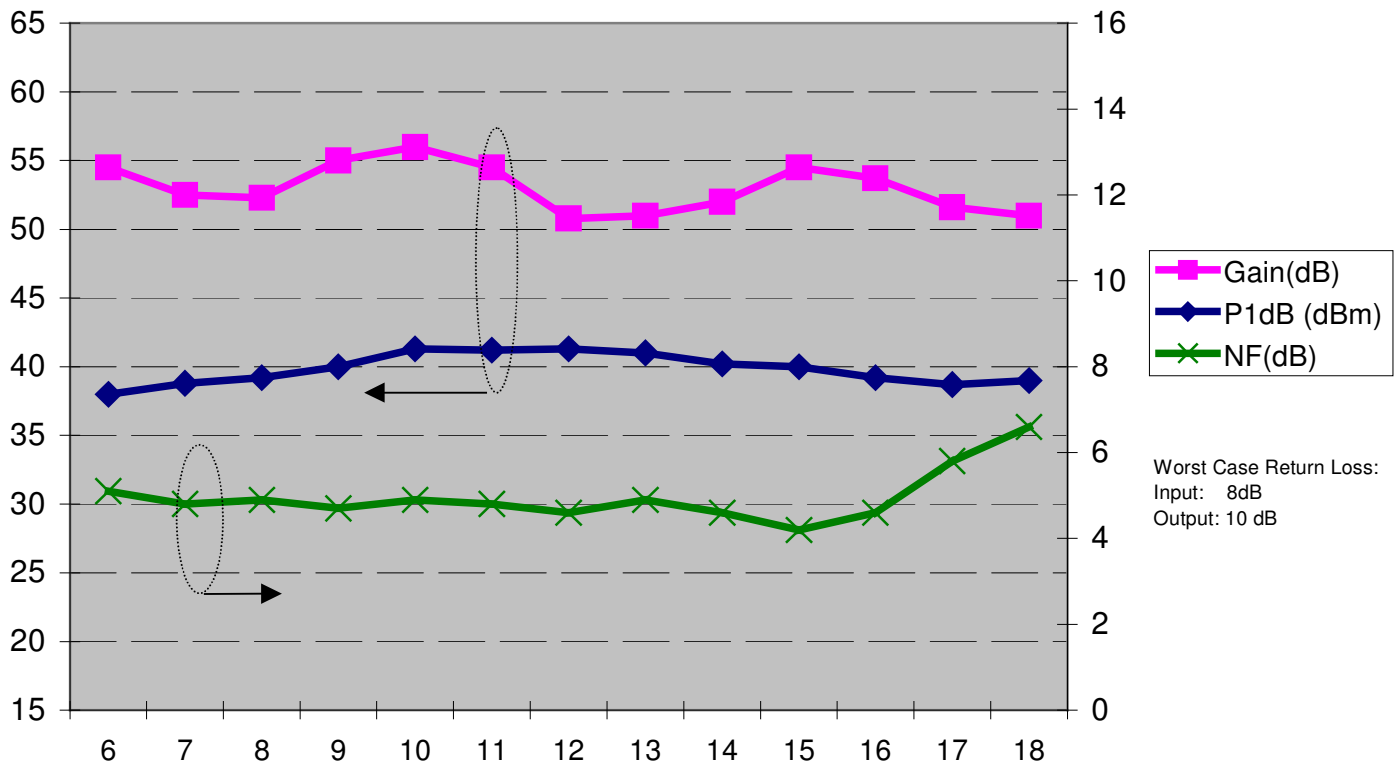
6-18 GHz Rack Mount PA



- 10W typ. From 6 to 18 GHz
- 45 dB Gain
- 45 dBm IP3
- 7 dB NF Max
- CE Certified

- 90-250 VAC Supply
- 150W Draw Max
- -10 to 50 C⁰ case
- Temperature protection
- 17" x 12" x 3.5"

AMF-6B-06001800-70-40P-PS



Worst Case Return Loss:
Input: 8dB
Output: 10 dB

MITEQ INC. introduces a new addition to its family of broad-band high power amplifiers. AMF-6B-06001800-70-40P-PS is a self-cooled 3RU rack-mount high power amplifier, covering 6-18 GHz and delivering approximately 10W of power. The SMA connectorized box is 3.47” high, 16.99” wide excluding brackets, and 12.12” deep including fans . It can be horizontally or vertically mounted. Housing is EMI shielded, CE certified and can operate in ambient up to 50 C⁰. PA includes over temperature protection in addition to full internal regulation . DC on/off switch is optional so is input connector through the front panel.

Nominal small-signal gain is 47 dB, +/- 3.5 dB flat, while noise figure is typically 6 dB across the full band. Output IP3 is a typical of 45 dBm. I/O port VSWRs are typically 2:1.

It runs from 90-240 VAC, 50-400 Hz, fuse T3.15A /250 VAC. Typical power draw is 150W.

Freq	P1dB (dBm)		
	Average	Min	Max
5.8	38.4	38.0	39.0
6.0	39.2	38.3	40.2
7.0	39.0	37.6	40.0
8.0	39.0	37.8	40.5
9.0	40.2	39.2	41.0
10.0	41.3	40.0	42.2
11.0	41.1	40.1	41.7
12.0	40.8	40.0	41.5
13.0	41.3	40.0	42.6
14.0	40.6	39.5	41.6
15.0	40.5	39.6	41.4
16.0	39.5	38.5	41.1
17.0	39.1	37.8	40.3
18.0	39.1	37.6	40.4
18.5	38.5	37.8	39

