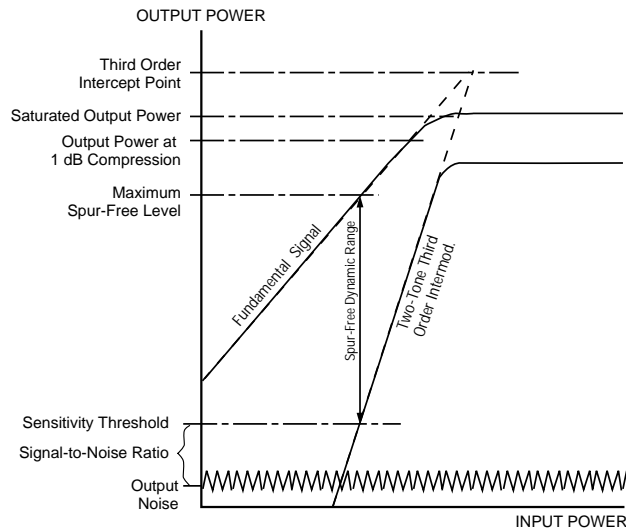
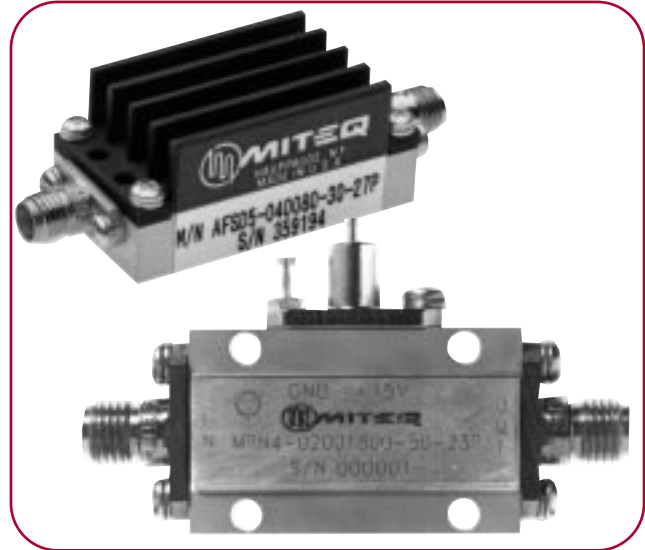


# MEDIUM POWER AMPLIFIERS

## AFSD SERIES/MPN SERIES

### FEATURES

- High Dynamic Range
- Up to 1 Watt Output Power
- Usable as a TWTA and SSPA Driver Amplifier
- High Second and Third Intercept Points
- Low Power Consumption
- EMI Suppression Filter
- 1-Year Warranty
- Custom Frequency, Gain, and Power Options Available



MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN (dB, Min.)	GAIN FLATNESS (dB, Max.)	NOISE FIGURE (dB, Max.)	VSWR IN/OUT (Max.)	OUTPUT POWER @ 1 dB COMP. (dBm, Min.)	NOM. DC POWER (+15V, mA)
AFSD5-020080-22-26P	2-8	30	± 1.2	2.2	2.0:1	26	550
AFSD4-020060-20-27P	2-6	30	± 1.0	2.0	2.0:1	27	575
AFSD5-040080-20-27P	4-8	30	± 1.0	2.0	2.0:1	27	450
AFSD5-040120-35-25P	4-12	25	± 1.5	3.5	2.0:1	25	550
AFSD5-060120-30-26P	6-12	26	± 1.0	3.0	2.0:1	26	575
AFSD5-080100-22-27P	8-10	28	± 1.0	2.2	2.0:1	27	600
AFSD5-080120-25-26P	8-12	28	± 1.0	2.5	2.0:1	26	500
MPN1-00100100-23P	.1-1*	15	± 1.5	1.5	2.5:1	23	350
MPN2-00200200-27P	.2-2*	23	± 1.5	2.5	2.0:1/2.5:1	27	300
MPN2-00500100-30P	.5-1*	25	± 1.5	1.5	2.0:1	30	500
MPN2-01000200-30P	1-2*	27	± 1.5	1.5	2.0:1	28	500
MPN2-02000400-25P	2-4	24	± 1.5	2	2.0:1	25	550
MPN3-02001800-20P	2-18	20	± 2.5	5	2.5:1/2.0:1	20	475
MPN4-02001800-23P	2-18	25	± 2.5	5	2.5:1/2.0:1	23	700

\* These models can be optimized for cellular telephony applications.