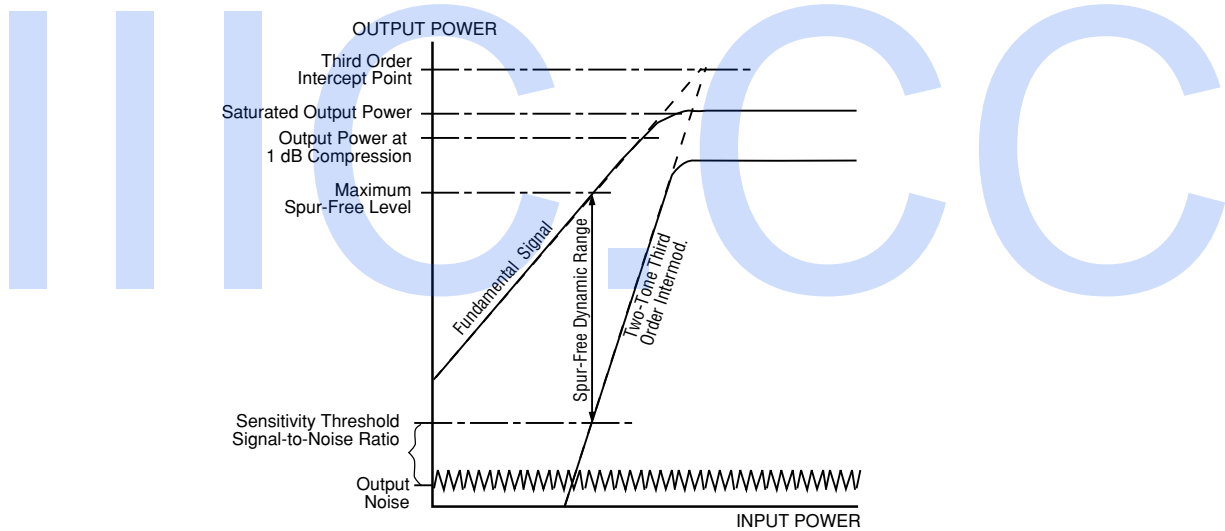
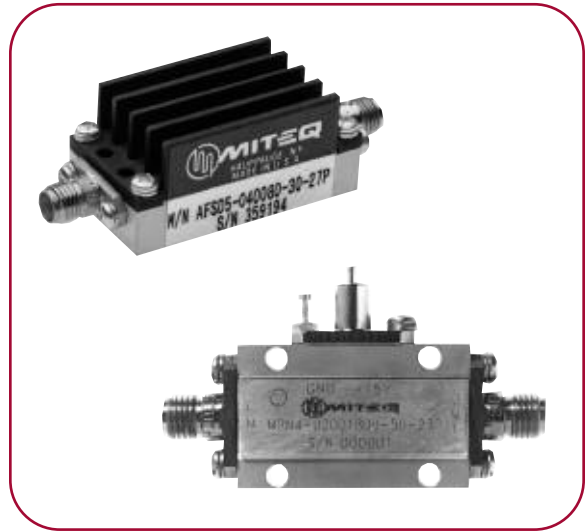


# MEDIUM POWER AMPLIFIERS

## AFSD/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
- One-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 (15 V, mA)
AFSD5-020080-22-26P	2-8	30	1.2	2.2	2:1	26	550
AFSD4-020060-20-27P	2-6	30	1	2	2:1	27	575
AFSD5-040080-20-27P	4-8	30	1	2	2:1	27	450
AFSD5-040120-35-25P	4-12	25	1.5	3.5	2:1	25	550
AFSD5-060120-30-26P	6-12	26	1	3	2:1	26	575
AFSD5-080100-22-27P	8-10	28	1	2.2	2:1	27	600
AFSD5-080120-25-26P	8-12	28	1	2.5	2:1	26	500
MPN1-00100100-23P*	0.1-1	15	1.5	1.5	2.5:1/2:1	23	200
MPN2-00200200-27P*	0.2-2	23	1.5	2.5	2:1/2.5:1	27	250
MPN2-00500100-30P*	0.5-1	25	1.5	1.5	2:1	30	500
MPN2-01000200-28P*	1-2	27	1.5	1.5	2:1	28	550
MPN3-02000400-25P	2-4	30	1.5	2	2:1	25	300
MPN3-02001800-20P	2-18	20	2.5	5	2.5:1/2.2:1	20	450
MPN4-02001800-23P	2-18	23	2.5	5	2.5:1/2.2:1	23	700

\* These models can be optimized for cellular telephony applications.  
NOTE: See pages 61 and 62 for outlines.

