

Power Amplifiers – Narrowband, Up to 100 Watts (continued)

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Model Number	Frequency Response (GHz)	Gain (dB)	Gain Flatness (\pm dB)	Noise Figure (dB)	P1dB (+dBm)	VSWR In/Out	Volts (DC)	DC Current (mA)	Case
	Min	Min	Max	Max	Min	Max	Typ	Typ	
APN/313-2327	29.1-31.3	27	1.00	6.0	23	2.0:1	12	690	GPK6
APN/313-2737	29.1-31.3	37	1.00	6.0	27	2.0:1	12	1200	GPK8
APN/313-3037	29.1-31.3	37	1.00	6.0	30	2.0:1	12	2000	GPK8
APN/313-3237	29.1-31.3	37	1.00	6.0	32	2.0:1	12	3000	GPK8
APN/400-2026	38.0-40.0	26	1.50	7.0	20	2.0:1	12	810	GPK6
APN/400-2434	38.0-40.0	34	1.50	7.0	24	2.0:1	12	1800	GPK6
APN/400-2734	38.0-40.0	34	1.50	7.0	27	2.0:1	12	2500	GPK8
APN/400-3037	38.0-40.0	37	1.50	7.0	30	2.0:1	12	4000	GPK8

New Products

Power Amplifier Comments:

1. Proper heat sink is needed to keep the case temperature below +85°C. Otherwise, permanent damage or degradation may occur.
2. Noise figure will rise 0.015 dB/°C typically as the temperature increases.
3. P1dB will drop approximately 1 dB from +25°C to +70°C.
4. All units contain internal voltage regulators.
5. TTL control, pulsed amplification, monitor, detector and DC-DC power supplies are optional.
6. Consult the factory for additional gain, power, frequencies, temperature compensation or any special functions.
7. SP = Special Enclosure. Please contact the factory for outline drawing.
8. * = Saturated power.

