

Defense, Industrial And General Applications^{1,3}

Guaranteed Specifications at 0° to +50°C Case Temperature

Model	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Max.	Power Output for 1 dB Gain Comp. (dBm) Min.	Power Output (watts) Min.	Gain Flatness (±dB) Max.	Typical Intercept Point for Third Order Intermod Products (dBm)	VSWR (50 ohms) Maximum In Out	Input Power Voltage (VDC±3%)	Input Power Typical Current (mA)	Case Type
APT-4063	2-4	28	38	4.5	+30	1.0	1.5	+37	2.0 2.0	+15	900	IS6
APT-4064	2-4	39	49	4.5	+30	1.0	1.5	+37	2.0 2.0	+15	1050	IS6
APT-4074	2-4	33	43	4.5	+33	2.0	1.5	+40	2.0 2.0	+15	1800	IS6
APT-6065	2-6	35	45	5.5	+30	1.0	1.5	+37	2.0 2.0	+15	1350	IC6
APT-6077	2-6	40	50	6.0	+33	2.0	1.5	+40	2.0 2.0	+15	2300	IC8
APT-8255	2-8	30	40	6.0	+27	0.5	2.0	+34	2.0 2.0	+15	800	IC6
APT-8266	2-8	35	45	7.0	+30	1.0	2.0	+37	2.0 2.0	+15	1300	IC8
APT-8056	4-8	35	45	5.5	+29	0.8	1.5	+36	2.0 2.0	+15	1500	IC8
APT-8066	4-8	35	45	5.5	+30	1.0	1.5	+37	2.0 2.0	+15	1500	IC8
APT-8076	4-8	30	40	7.5	+33	2.0	1.5	+40	2.0 2.0	+15	2500	IC7P
APT-8465	7.9-8.4	30	40	7.0	+30	1.0	1.0	+37	2.0 2.0	+15	1200	IC6
APT-10555	4.5-10.5	34	44	5.0	+26	0.4	1.5	+33	2.0 2.0	+12	800	IC6
APT-10566	4.5-10.5	29	40	8.0	+30	1.0	2.0	+38	2.0 2.0	+15 ²	2200	ICD8
										and -15	-100	
APT-12057	6-12	35	45	6.0	+26	0.4	1.5	+33	2.0 2.0	+12	1100	IX8
APT-12066	6-12	28	39	8.0	+30	1.0	1.5	+37	2.0 2.0	+15	2500	IK7P
APT-18646	6-18	20	30	10.0	+23	0.2	2.0	+30	2.0 2.0	+12	1200	IX8
APT-18649	6-18	35	45	8.0	+23	0.2	2.0	+30	2.0 2.0	+12	1350	IX10
APT18-2722	6-18	22	32	9.0	+27	0.5	2.0	+34	2.0 2.0	+12	1720	IKC8
APT18-2730	6-18	30	40	8.0	+27	0.5	2.0	+34	2.0 2.0	+12	1750	IKC8
APT18-2735	6-18	35	45	8.0	+27	0.5	2.0	+34	2.0 2.0	+12	1775	IKC8
APT18-3026	6-18	26	37	13.0	+30	1.0	3.0	+36	2.0 2.0	+12	2900	IKC6P
APT18-3032	6-18	32	44	10.0	+30	1.0	3.0	+36	2.0 2.0	+12	2950	IKC8P
APT18-3038	6-18	38	51	10.0	+30	1.0	3.0	+36	2.0 2.0	+12	3025	IKC8P

Maximum RF input: +20 dBm CW or + 30 dBm, 1 µsec, 1% duty cycle.

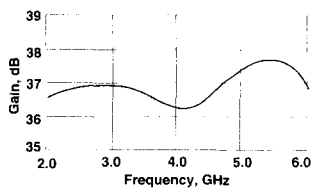
Notes:

1. All include Integral voltage regulator, SMA-F I/O connector
2. Contains internal gate/drain bias sequencing
3. Special models with customized parameters and temperature ranges are available. Contact your local representative.

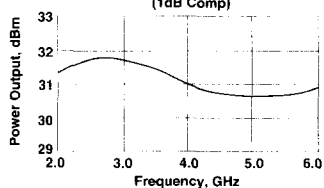
Typical Performance @ 25°C Case Temperature

APT-6065

GAIN

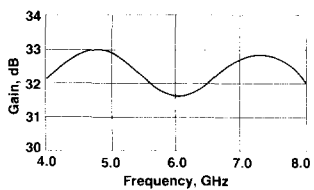


OUTPUT POWER
(1dB Comp)

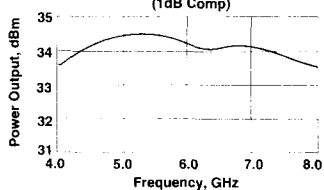


APT-8076

GAIN

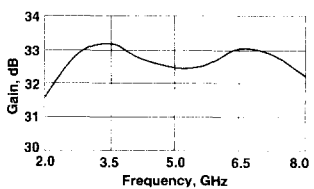


OUTPUT POWER
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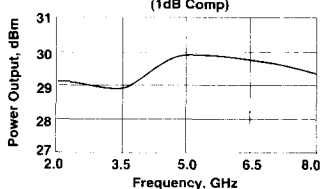


APT-8255

GAIN



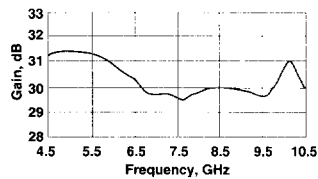
OUTPUT POWER
(1dB Comp)



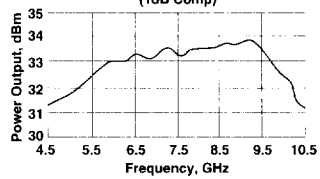
Typical Performance @ 25°C Case Temperature

APT-10566

GAIN

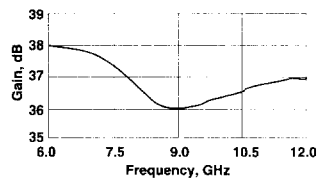


OUTPUT POWER
(1dB Comp)

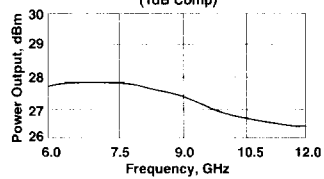


APT-12057

GAIN

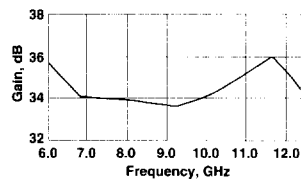


OUTPUT POWER
(1dB Comp)

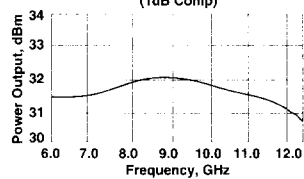


APT-12066

GAIN

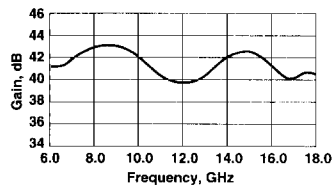


OUTPUT POWER
(1dB Comp)



APT18-2735

GAIN



POWER OUTPUT
(1 dB Comp)

