

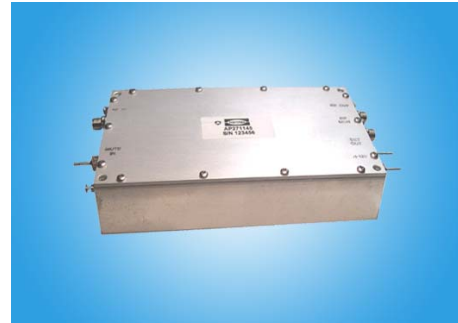


POWER AMPLIFIERS FOR COMMERCIAL COMMUNICATIONS

1.0 – 18 GHz

FEATURES

- Low Cost
- High Efficiency
- Mute & Monitor Functions Available
- Low Distortion Class “A” Operation
- 0.5 to 10 Watts



APPLICATIONS

- Cellular, PCN, LAN Networking
- Hot Standby Transmitters
- Point-To-Point Communications

ENVIRONMENTAL RATINGS

Operating Temperature Range.....-55°C to +85°C
 Storage Temperature Range.....-65°C to +125°C
 Shock..... 50G, 11 msec
 Vibration..... 20G, 100 to 2000 Hz

Specifications: (@ +25°C)

MODEL	FREQ. RANGE (GHz)	MIN GAIN (dB)	MAX GAIN VARIATION (+/- dB)	N. F. (dB)	MAX VSWR	P OUT ² (dBm)	NOM DC ³ CURRENT @ +12V (A)	CASE SIZE LxWxH (inches)
AP231130 AP231131 AP231132 AP231133 AP231134	1.7 - 2.3	23 23 30 30 30	0.5 0.5 1.0 1.0 1.0	10	2:1	+30 +33 +35 +37 +39	1.1 1.5 3.0 3.5 5.5	5.5 X 3 X 1 5.5 X 3 X 1 5.5 X 3 X 1 5.5 X 3 X 1 Note 1
AP271135 AP271136	1.7 - 2.7	23 23	1.5 1.5	10	2:1	+30 +33	1.1 1.6	5.5 X 3 X 1 5.5 X 3 X 1
AP231137 AP231138 AP231139 AP231140 AP231141	1.9 - 2.3	23 23 30 30 30	0.5 0.5 1.0 1.0 1.0	10	2:1	+30 +33 +35 +37 +39	1.1 1.5 3.0 3.5 5.5	5.5 X 3 X 1 5.5 X 3 X 1 5.5 X 3 X 1 5.5 X 3 X 1 Note 1
AP271142 AP271143 AP271144 AP271145 AP271146	2.3 - 2.7	23 23 30 30 30	0.5 0.5 1.0 1.0 1.0	10	2:1	+30 +33 +35 +37 +39	1.1 1.5 3.0 3.5 5.5	5.5 X 3 X 1 5.5 X 3 X 1 5.5 X 3 X 1 5.5 X 3 X 1 Note 1
AP421147 AP421148	3.7 - 4.2	40 40	0.5 0.5	6	2:1	+30 +33	1.2 2.2	Note 1
AP641149	5.9 - 6.4	40	0.5	6	2:1	+30	1.2	Note 1
AP721150	6.4 - 7.2	35	0.5	6	2:1	+30	1.2	Note 1
AP791151	7.1 - 7.9	35	0.5	6	2:1	+30	1.2	Note 1
AP153152 AP153153	14.0 - 15.3	23 23	0.5 0.5	8	2:1	+28 +30	1.2 1.8	2.7 X 2 X 0.6 2.7 X 2 X 0.6
AP175154	16.0 - 17.5	42	1.0	9	2:1	+31	3.5	3.4 X 3 X 1

Note 1: Consult factory for available outlines

Note 2: Pout @ 1 dB compression will typically be 0 to 3 dB lower than the stated P out. Consult factory for actual value for each model.

Note 3: Regulated +12V is required. Unit with integral regulator can be supplied for +15V power supply, add letter "R" to end of model number.