

CHPA0220-2

2-20 GHz 15 Watt *Spatium*[™] Power Amplifier

Performance Specifications

| Parameter | Units | Min. | Typ. | Max. |
|--------------|-------|------|-------|-------|
| Frequency | GHz | 2 | | 20 |
| Gain | dB | 17.5 | 20 | |
| vs. Freq. | ±dB | | 1 | |
| vs. Temp. | ±dB | | 1 | |
| VSWR (In) | | | 2.0:1 | 3.0:1 |
| VSWR (Out) | | | 2.0:1 | 3.0:1 |
| Noise Figure | dB | | 10 | 12 |

| Parameter | Units | Min. | Typ. | Max. |
|------------|-------|------|------|------|
| RF Power | | | | |
| Sat. | Watts | 7 | 15 | |
| P-1dB | Watts | | 12 | |
| Efficiency | % | | 15 | |
| Spurious | dBc | | -60 | |
| DC Volts | V | 9.5 | 10 | 10.5 |
| DC Current | A | | 10 | 14 |

Physical

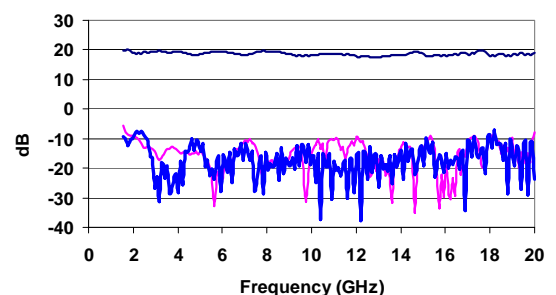
| | |
|----------------------|---------------------------------|
| Dimensions | 17.08 x 9.93 x 5.81 inches |
| RF Connectors | SMA(F) In/Out |
| DC Connector | DA15 Male (pin) |
| Pins 1-5 Pins 6-9 | +10VDC (DC Supply) DC Return |

Environmental

| | |
|-----------------|--------------------|
| Temp. Operating | 0° to +50°C |
| Temp. Storage | -20° to +85°C |
| Cooling | Conduction |
| Mounting | #10 Machine Screws |



Gain and Return Loss



Creative Amplification Products

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990004 Rev. 6

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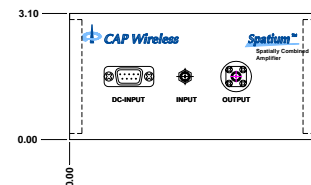
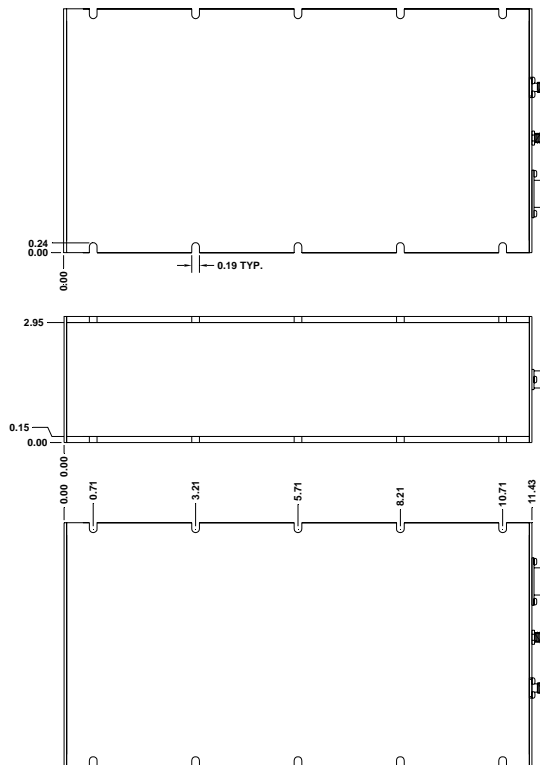
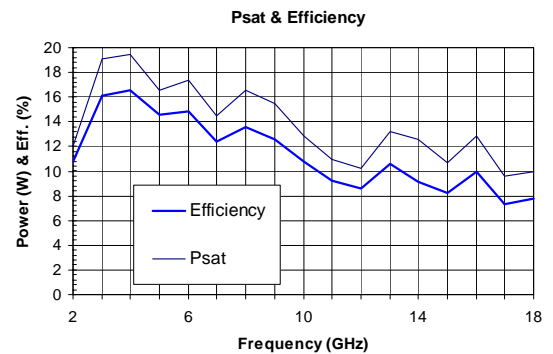
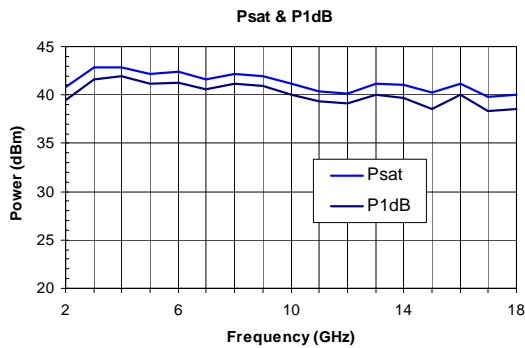
 **CAP Wireless, Inc.**

3235 Grande Vista Drive
Newbury Park, CA 91320

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2-20 GHz 15 Watt *Spatium*TM Power Amplifier

Typical Performance Plots



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Detail Page 2

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