

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

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# A150
# POWER AMPLIFIER

## 150 Watts
## RF Power For:

- Ultrasonic
- Testing
- Laboratory Use



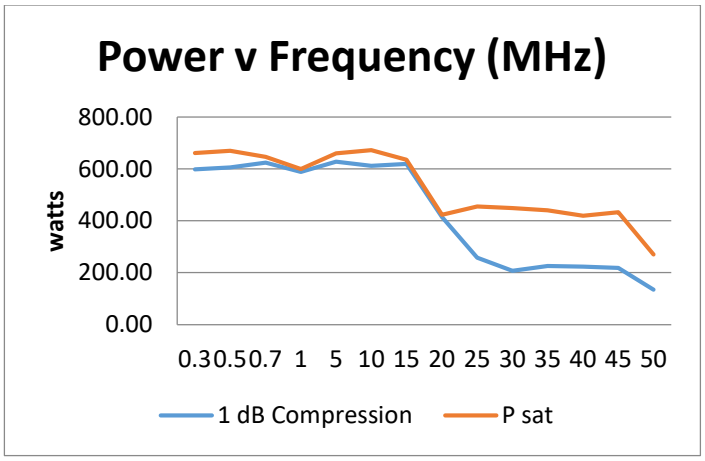

## Featuring:

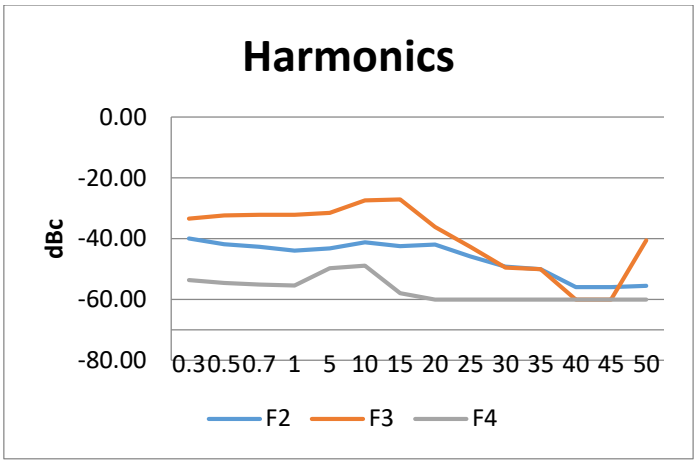
- 300 KHz – 35 MHz
- Power Measurement
  - Forward & Reflected
- Instantaneous Bandwidth
- Solid State Reliability
- Forced Air Cooling

| E&I A150 Specifications | |
|---|---|
| **Class of Operation:** | Class A |
| **Frequency Coverage:** | 300 KHz – 35 MHz |
| **Rated Power:** | 150 Watts P1dB |
| **Saturated Power:** | 250 Watts |
| **Power Gain:** | 55 dB nominal |
| **Gain Flatness:** | +/- 1.5 dB |
| **Input Power for Rated Pout:** | 0.5 mW Max |
| **Input Impedance / VSWR:** | 50 Ω / 1.5:1 maximum |
| **Output Impedance / VSWR:** | 50 Ω / 2:1 maximum |
| **Harmonic Level:** | < -25dBc @ 150 Watts |
| **Ruggedness:** | ∞:1 VSWR |
| **Stability:** | Unconditional into any passive load |
| **Protection:** | Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max. |
| **Third Order Intercept:** | IP3 ~ 60 dBm |
| **AC Input:** | 100 – 240 Volts 47 – 63 Hz<br>8.8 A @ 120 V<br>4.4 A @ 240 V |
| **Temperature Range:** | 0° – 40° C |
| **Cooling:** | Forced Air |
| **Dimensions (H x W x D):** | 5.3 x 16.5 x 18.4 inches<br>134.5 x 420 x 467 mm |
| **Weight:** | 48 lbs (21.8 kg) |
| **Connectors:** | BNC |
| **Rack Mounting:** | Optional |
| **RF Input Signal:** | AM, FM, SSB, Pulsed |

3 YEAR WARRANTY

# A150
# POWER AMPLIFIER




Protection:

- Software Overdrive Limit: 250 Watts
- Software Reverse Power Limit: 200 Watts

**Performance into 50 ohms**

| Input | | | | Amplifier Gain | Output | | | |
|---|---|---|---|---|---|---|---|---|
| **Input Power** | | **V p-p** | **V rms** | **Nominal** | **Output Power** | | **V p-p** | **V rms** |
| Watts | dBm | Volts | Volts | dB | dBm | Watts | Volts | Volts |
| 0.000079 | -11.02 | 0.18 | 0.06 | 55 | 43.98 | 25.00 | 100.00 | 35.36 |
| 0.0003 | -5.00 | 0.36 | 0.13 | 55 | 50.00 | 100.00 | 200.00 | 70.71 |
| 0.0005 | -3.24 | 0.44 | 0.15 | 55 | 51.76 | 150.06 | 245.00 | 86.62 |
| 0.0006 | -1.98 | 0.50 | 0.18 | 55 | 53.02 | 200.22 | 283.00 | 100.06 |

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**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

## Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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