

MODELS 155LCRH, LA100H, 116FC, LA100F

100 Watt Broadband RF Power Amplifiers

10 KHz to 250 MHz



Designed to meet the high demands of the EMC, communications and general laboratory markets.

| MODEL | 155LCRH | LA100H | 116FC | LA100F |
|----------------------------|------------------------|--|--|--|
| Power Output | 100 Watts | 100 Watts | 100 Watts | 100 Watts |
| Frequency Range | 0.1-10 MHz | 0.5-100 MHz | 0.01-230 MHz | 100-250 MHz |
| Power Gain | 50 dB | 50 dB | 50 dB | 50 dB |
| Gain Flatness | ±1.0 dB | ±2.0 dB (unleveled) ±0.5 dB (leveled) | ±2.0 dB (unleveled) ±0.5 dB (leveled) | ±2.0 dB (unleveled) ±0.5 dB (leveled) |
| Gain Control | No | 20 dB | 20 dB | 20 dB |
| ALC | No | Yes | Yes | Yes |
| Class of Operation | 'A' Linear | 'AB' Linear | 'A' Linear | 'AB' Linear |
| Input/Output Impedance | 50 Ohm nominal | 50 Ohm nominal | 50 Ohm nominal | 50 Ohm nominal |
| Input for Full Output | 1-2 mW | 1-2 mW | 1 mW | 1-2 mW |
| Spurious (maximum) | -70 dBc | -70 dBc | -60 dBc | -70 dBc |
| Harmonics (worst case) | -25 dBc | -23,-13 dBc (2nd,3rd) | -18 dBc | -14 dBc |
| Protection | Temp, VSWR | Temp, VSWR | Temp, VSWR | Temp, VSWR |
| Operating Temperature | -10 to 40° C | -10 to 40° C | -10 to 40° C | -10 to 40° C |
| Connectors | N Female | N Female | N Female | N Female |
| Cooling | Forced Air | Forced Air | Forced Air | Forced Air |
| Panel Meter | 150 W, 75 VRMS | Fwd: 100 W; Refl: % limit | Fwd: 100 W; Refl: % limit | Fwd: 100 W; Refl: % limit |
| Indicators | Temp, AC ON, VSWR | AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active | AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active | AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active |
| Primary Power Requirements | 100-240 V AC, 50/60 Hz | 97-265 V AC, 50/60 Hz | 95-265 V AC, 50/60 Hz | 97-255 V AC, 50/60 Hz |
| Additional Features | None | Remote Control | Remote Control | Remote Control |
| Options | None | IEEE Interface | IEEE Interface | IEEE Interface |
| Package | EIA Rack Mount | EIA Rack Mount | EIA Rack Mount | EIA Rack Mount |
| 'CE' Mark | No | Yes | Yes | Yes |