

## RF POWER AMPLIFIERS

### MODELS LA200H, LA200F, LA200UE, LA200G



#### 200 Watt Broadband RF Power Amplifiers

Designed for applications in communications, EMC testing, NMR/MRI and general laboratory use.



#### Features

- Broad bandwidth
- Linear operation
- Low compression at rated power
- VSWR protection
- CE certified
- No band switching
- Rack mountable
- GPIB & RS232 option
- Blanking
- Remote capability
- RF gain control
- Automatic leveling (ALC)
- Safety interlock input
- Optional rear panel connectors
- RF power meter
- Rugged RF power MOSFET design

#### System Benefits

- Wide instantaneous bandwidth for sweep applications, pulse and CW operation
- Delivers rated power with low distortion
- Low RF leakage reduces possible interference with equipment in close proximity
- RF power sensors prevent overdrive and protect amplifier, and load, in high VSWR conditions
- Fully featured remote capability allows control and monitoring of *all* front panel functions

MODEL	LA200H	LA200F	LA200UE	LA200G
Power Output	200 Watts	200 Watts	200 Watts	200 Watts
Frequency Range	0.5-100 MHz	100-250 MHz	200-500 MHz	400-1000 MHz
Power Gain	50 dB	50 dB	50 dB	53 dB
Gain Flatness	±1.5 dB (unleveled) ±0.5 dB (leveled)	±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	20 dB	20 dB	20 dB	15 dB
ALC	Yes	Yes	Yes	Yes
Class of Operation	'AB' Linear	'AB' Linear	'AB' Linear	'AB' Linear
Input/Output Impedance	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal
Input for Full Output	1-3 mW	2-3 mW	1-3 mW	1-3 mW
Spurious (maximum)	-70 dBc	-65 dBc	-70 dBc	-70 dBc
Harmonics (worst case)	-10 dBc	-25, -20 dBc (2nd, 3rd)	-20, -30 dBc (2nd, 3rd)	-25 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 Indicators	Fwd: 200 W; Refl: % limit AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active	Fwd: 200 W; Refl: % limit AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active	Fwd: 200 W; Refl: % limit AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active	Fwd: 200 W; Refl: % limit AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active
Primary Power Requirements	95-255 VAC, 50/60 Hz	95-255 VAC, 50/60 Hz	95-255 VAC, 50/60 Hz	95-255 VAC, 50/60 Hz
Physical Dimensions H x W x D	7 x 19 x 19¾ in	7 x 19 x 19¾ in	7 x 19 x 19¾ in	12¼ x 19 x 18 in
Weight	42 lb, 19.1 kg	42 lb, 19.1 kg	42 lb, 19.1 kg	67 lb, 30.5 kg