

MODELS 500FC 155LCRH, 121CR



50 Watt to 180 Watt Broadband RF Power Amplifiers

Ideal for general purpose laboratory applications, communications and RF immunity testing.



FEATURES

- Broad bandwidth
- Linear operation
- Low compression at rated power
- VSWR protection
- CE certified
- No band switching
- Bench top units with 19" rack mount option

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
- Safe to operate with mismatched loads without risk of damage to the amplifier

MODEL	500FC	155LCRH	121CR
Power Output	50 Watts	100 Watts	180 Watts
Frequency Range	1-500 MHz	0.1-10 MHz	1-32 MHz
Power Gain	47 dB	50 dB	50 dB
Gain Flatness	±2.0 dB	±1.0 dB	±2.0 dB
Gain Control	15 dB	No	No
ALC	No	No	No
Class of Operation	'A' Linear	'A' Linear	'AB' Linear
Input/Output Impedance	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal
Input for Full Output	1-2 mW	1-2 mW	2-3 mW
Spurious (maximum)	-65 dBc	-70 dBc	-65 dBc
Harmonics (worst case)	-15 dBc	-25 dBc	-13 dBc
Protection	Temp	Temp, VSWR	Temp, VSWR
Operating Temperature	-10 to 40° C	-10 to 40° C	-10 to 40° C
Connectors	N Female	N Female	N Female
Cooling	Forced Air	Forced Air	Forced Air
Panel Meter	None	150 W, 75 VRMS	None
Indicators	Temp, AC ON, VSWR	Temp, AC ON, VSWR	Temp, AC ON, VSWR
Primary Power Requirements	90-250 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz	115-230 VAC, 50/60 Hz
Physical Dimensions H x W x D	19 x 18 x 5¼ in	5¼ x 19 x 19¼ in	5¼ x 11½ x 16 in
Weight	32 lb, 14.6 kg	37 lb, 16.8 kg	18 lb, 8.2 kg