

MODELS

102LC, 505FC, 706FC

2 Watt to 6 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	102LC	505FC	706FC
Power Output	2 Watts	5 Watts	6 Watts
Frequency Range	25 Hz-100 MHz	0.5-525 MHz	0.5-1000 MHz
Power Gain	35 dB	37 dB	36 dB
Gain Flatness	±1.5 dB	±1.5 dB	±2.0 dB
Gain Control	No	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 mW	1 mW	1-5 mW
Spurious (maximum)	-70 dBc	-70 dBc	-60 dBc
Harmonics (worst case)	-20, -25 dBc (2nd, 3rd)	-20, -23 dBc (2nd, 3rd)	-11, -16 dBc (2nd, 3rd)
Protection	Temp	Temp	Temp
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	None	None
Indicators	Temp, AC ON	Temp, AC ON	Temp, AC ON
Primary Power Requirements	100-240 VAC, 50/60 Hz	90-255 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Physical Dimensions H x W x D	5¼ x 11½ x 16 in	5¼ x 11½ x 16 in	5¼ x 11½ x 16 in
Weight	17 lb, 7.7 kg	17 lb, 7.7 kg	17 lb, 7.7 kg