



RF POWER AMPLIFIERS

THERMO VOLTEK



MODELS 711FC, 713FC, 520FC, 125C, 125LC

12 Watt to 25 Watt Broadband RF Power Amplifiers

50 Hz to 1000 MHz



An ideal choice for general laboratory applications and the EMC testing industry.

MODEL	711FC	713FC	520FC	125C	125LC
Power Output	12 Watts	15 Watts	20 Watts	25 Watts	25 Watts
Frequency Range	200-1000 MHz	10-1000 MHz	1-512 MHz	0.5-50 MHz	0.05-100 MHz
Power Gain	40 dB	43 dB	43 dB	45 dB	47 dB
Gain Flatness	±2.0 dB (unleveled) ±0.5 dB (leveled)	±2.0 dB (unleveled) ±0.8 dB (leveled)	±2.0 dB	±1.5 dB	±2.0 dB
Gain Control	15 dB	15 dB	15 dB	No	No
ALC	Yes	Yes	No	No	No
Class of Operation	'AB' Linear	'AB' Linear	'AB' Linear	'A' Linear	'A' Linear
Input/Output Impedance	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal
Input for Full Output	1-2 mW	1 mW	1 mW	1 mW	.5 mW
Spurious (maximum)	-70 dBc	-70 dBc	-70 dBc	-70 dBc	-70 dBc
Harmonics (worst case)	-20 dBc	-14 dBc	-15 dBc	-25 dBc	-16 dBc
Protection	Temp, VSWR	Temp, VSWR	Temp	Temp	Temp
Operating Temperature	-10 to 40° C	-10 to 40° C	-10 to 40° C	-10 to 40° C	-10 to 40° C
Connectors	N Female	N Female	N Female	BNC Female	BNC Female
Cooling	Forced Air	Forced Air	Forced Air	Forced Air	Forced Air
Panel Meter	Fwd: 12 W; Refl: % limit	Fwd: 15 W; Refl: % limit	None	25 W, 35 VRMS	25 W, 35 VRMS
Indicators	AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active	AC Line, Blanking, Meter, ALC, VSWR, Temp, Remote Active	Temp, AC ON	Temp, AC ON	Temp, AC ON
Primary Power Requirements	90-250 V AC, 50/60 Hz	90-250 V AC, 50/60 Hz	90-250 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Additional Features	Remote Control	Remote Control	None	None	19" Adaptors
Options	IEEE Interface	IEEE Interface	None	None	None
Package	EIA Rack Mount	EIA Rack Mount	Bench Top	Bench Top	Bench Top
'CE' Mark	Yes	Yes	No	No	No