Tube Amplifiers

A range of high power, air-cooled distributed tube amplifiers for high field level EMC immunity testing, communication and ISM applications

Features

- *Broad bandwidth*
- *Linear operation*
- *Low compression at rated power*
- *GPIB & RS232 option*
- *Blanking*
- *Remote capability*
- *RF gain control*
- *Automatic leveling (ALC)*
- *Safety interlock input*
- *RF power meter*

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 for ALC and power monitoring*
- *Extremely fast pulse rise and fall times*

MODELS 122C, 122CC 134C, 137C, 140C

200, 250, 500, 1000 and 2000 Watt Broadband RF Power Amplifiers - 10 KHz to 220 MHz

A range of high power, air cooled distributed tube amplifiers for high field level EMC immunity testing, communications and ISM applications.

Features

- Broad bandwidth
- Linear operation
- Low compression at rated power
- GPIB & RS232 option
- Blanking
- Remote capability
- RF gain control
- Automatic leveling (ALC)
- Safety interlock input
- RF power meter

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 for ALC and power monitoring
- Extremely fast pulse rise and fall times

MODEL	122C	122CC	134C	137C	140C
Power Output	200 Watts	250 Watts	500 Watts	1000 Watts	2000 Watts
Frequency Range	0.01-220 MHz	0.01-220 MHz	0.01-220 MHz	0.01-220 MHz	0.01-220 MHz
Power Gain	53 dB min.	53 dB min	57 dB min	60 dB min	63 dB min
Gain Flatness	±2.0 dB	±2.0 dB	±2.0 dB	±2.0 dB	±2.0 dB
Class of Operation	'A' Linear	'A' Linear	'A' Linear	'A' Linear	'A' Linear
Input/Output Impedance	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal	50 Ohm nominal
Harmonics (typical)	-15 dBc	-15 dBc	-15 dBc	-15 dBc	-15 dBc
Rise & Fall Time	5 nanoseconds	5 nanoseconds	5 nanoseconds	5 nanoseconds	5 nanoseconds
VSWR Tolerance	Infinite	Infinite	Infinite	Infinite	Infinite
Mismatch Tolerance	Open/Short Circuit	Open/Short Circuit	Open/Short Circuit	Open/Short Circuit	Open/Short Circuit
Type of Signals	AM, FM CW, Pulse, SSB or Complex	AM, FM CW, Pulse, SSB or Complex	AM, FM CW, Pulse, SSB or Complex	AM, FM CW, Pulse, SSB or Complex	AM, FM CW, Pulse, SSB or Complex
Connectors	N Female	N Female	N Female	N Female	N Female
Cooling	Forced Air	Forced Air	Forced Air	Forced Air	Forced Air
Primary Power Requirements	200-240 VAC, 2-Wire, 50/60 Hz	200-240 VAC, 2-Wire, 50/60 Hz	3-Phase, 4-Wire, 50/60 Hz	3-Phase, 4-Wire, 50/60 Hz	3-Phase, 4-Wire, 50/60 Hz
Front Panel Controls	AC Power, HV-On, HV-Off, Reset, Meter Select, Driver AC Power, Gain Adjust				
Panel Meter	Voltages & Currents: Bias Voltage, Screen Voltage, Plate Voltage, 1st Grid Current, Screen Grid Current, Plate Current				
Indicators	HV, PA Overload, No Air, Standby, Filaments				
Operating Temperature	-10 to 45° C	-10 to 45° C	-10 to 45° C	-10 to 45° C	-10 to 45° C
Physical Dimensions H x W x D	22 x 28 x 26½ in	22 x 27 x 27 in	53 x 22 x 26 in	49 x 27 x 26 in	53 x 54 x 26 in
Weight	255 lb, 116 kg	275 lb, 124 kg	500 lb, 227 kg	650 lb, 295 kg	1100 lb, 500 kg