PJ-LIGHT PJ-LCD SERIES

BROADBAND AIR COOLED AMPLIFIERS

from 1000W to 3500W

MODELS

PJ1000LIGHT PJ2500LCD
PJ3500LCD

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- **High-gain amplifier with very low input drive power requirement.**
- **10% - 100% Output Power continuously adjustable.**
- **APC Automatic Power Control ensuring reliable operation.**
- **Enhanced energy saving power supply.**
- **Exceed 70% efficiency across the bandwidth.**
- **Remotable from all digital RVR telemetry systems.**
- **Full compliance with EC, FCC and CCIR standards.**
- **Ease of access and simplified maintenance.**

ORDERING INFORMATION	
Model	Description
PJ1000LIGHT	**1000W** High Redundancy Compact Stereo Amplifier.
PJ2500LCD	**2500W** Compact Stereo Amplifier.
PJ3500LCD	**3500W** Compact Stereo Amplifier.

OPTION	
/CNT7/8-150	7/8 output RF connector.

PJ1000LIGHT

1000W High Redundancy Compact Amplifier.

PJ2500LCD

2500W Compact Amplifier.

PJ3500LCD

3500W Compact Amplifier.

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PJ1000LIGHT

Parameters		U.M.	Value	Notes
GENERALS				
Frequency range		MHz	87,5 ÷ 108	
Rated output power		W	1000	
Spurious & harmonic suppression		dBc	<75 (80 typical)	Meets or exceeds all FCC and CCIR rules
Working temperature		°C	-5 to + 50	
Working humidity		%	95	Without condensing
Working altitude		m	Up to 3000	With adequate air evacuation system in site
POWER REQUIREMENTS				
AC Power input	AC Supply Voltage	VAC	230 ±15%	
	AC Apparent Power Consumption	VA	1650	Monophase
	Active Power Consumption	W	1630	
	Power Factor		0,998	
	Overall Efficiency	%	Typical 70	
	Connector		Terminal Block	
MECHANICAL DIMENSIONS				
Phisical dimensions	Front panel width	mm / inch	483 / 19	EIA rack
	Front panel height	mm / inch	132 / 5 1/4 3HE	
	Overall depth	mm / inch	550 / 21,65	
	Chassis depth	mm / inch	500 / 19,69	
Weight		kg	About 25	
Cooling			Forced, with internal fan	
Acoustic noise		dBA	< 75	Leq 3 min @ 1 m
AUDIO INPUTS				
RF Input	Connector		N type	
	Impedance	Ohm	50	
Driver power for rated output		W	11	
Max input power before protection		W	25	
OUTPUTS				
RF Output	Connector		7/16" EIA	
	Impedance	Ohm	50	
RF Monitor	Connector		BNC	
	Impedance	Ohm	50	
	Output Level	dBc	Approx. -60	
FUSES				
On mains			2 External fuse F 25 T - 10x38 mm	
On services			1 External F3,15 A 2x20 mm	
On PA Supply			3External F 16 A 10x38mm	
On aux VDE socket			X	

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			PJ2500LCD	PJ3500LCD	
Parameters		U.M.	Value		Notes
GENERALS					
Frequency range		MHz	87,5 ÷ 108		
Rated output power		W	2500	3500	
Modulation type		dBc	<80 (82 typical)	<82 (85 typical)	Meets or exceeds all FCC and CCIR rules
Working temperature		°C	-5 to + 50		
Working humidity		%	95		Without condensing
Working altitude		m	Up to 3000	Up to 2000	With adequate air evacuation system in site
POWER REQUIREMENTS					
AC Power input	AC Supply Voltage	VAC	230 ±15%	230 +10% -15% | 400 +10% -15%	Monophase | Threephases Y
	AC Apparent Power Consumption	VA	3578	4996	
	Active Power Consumption	W	3571	4987	
	Power Factor		0,998		
	Overall Efficiency	%	Typical 70		
	Connector		Terminal Block		
MECHANICAL DIMENSIONS					
Phisical dimensions	Front panel width	mm / inch	483 / 19		EIA rack
	Front panel height	mm / inch	132 / 3 1/2 3HE		
	Overall depth	mm	670		
	Chassis depth	mm	650		
Weight		kg	About 31		
Cooling			Forced, with internal fan		
Acoustic noise		dBA	< 75		Leq 3 min @ 1 m
AUDIO INPUTS					
RFInput	Connector		N type		
	Impedance	Ohm	50		
Driver power for rated output		W	30		
Max input power before protection		W	35		
OUTPUTS					
RF Output	Connector		7/8" EIA		
	Impedance	Ohm	50		
RF Monitor	Connector		BNC		
	Impedance	Ohm	50		
	Output Level	dBc	Approx. -60		
FUSES					
On mains			3 External fuse F 25 T - 10x38 mm	3 External fuse F 10 T - 6x30 mm	
On services			1 External F3,15 A 5x20 mm	X	
On PA Supply			4 Internal F 25 A 10x38mm	4 Internal F 32 A 10x38mm	
On aux VDE socket			X	X	

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Member of CISQ Federation

CERTIFIED MANAGEMENT SYSTEM
ISO 9001

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