



FM Mosfet Amplifier 87.5-108 MHz range

AMPLIFIERS
TRANSMITTERS
ANTENNAS
ACCESSORIES



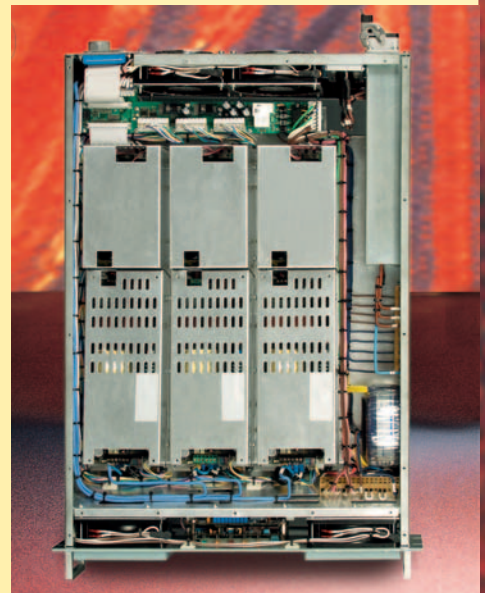
PJ 2000 M-C LCD Version BROADBAND POWER

PJ 2000 M-C Features

1. Exceptionally high gain P.A. with relatively low input
2. Automatic gain control providing fixed output power even in case fluctuating drive power
3. High reliability, easy handling and consistent performance standard achieved among the various units due to total absence of tuning requirements
4. Very high efficiency of P.A., typically capable of more than 2000W, output power with about 30 W of drive input power
5. Composed of eight parallel 300 W R.F. power amplifier modules for highest reliability
6. These modules are coupled through a Wilkinson Splitter and Combiner realized with "Strip-Line Technology"
7. On the PJ 2000M-C front panel, by means a user-friendly graphic interface, all the amplifier's diagnostic and control parameters are displayed.
8. Protection for internal and antenna VSWR, excessive temperature and excessive drive power, with indicator light, which will put the transmitter driver in stand-by position in the event of failure
9. It's present a protection that in case of overcurrent on one 300 W P.A. Module reduces the voltage on the drain of the pair of 300 W modules interesting in faulty; then, this protection card check the status of each single R.F. Power Amplifier module's protection fuse
10. Compact size dimensions with built in power supply
11. Easily replaceable standard components
12. Advanced recycling overload and protection system that provides automatic re-start after about 10 seconds of stand-by in case of fault. This procedure is repeated four times and in case of persisting fault, the cycle restarts again after 90 seconds, for four more times. if fault still persists, the stop becomes permanent. If instead, during one of the re-starts the fault disappears the counting circuit system is resetted after a regular working period of 90 seconds
13. If one or more power amplifier modules fails (totally or partially) the amplifier automatically reduces output power to a safe value but continues transmitting
14. Terminals Strip for telemetry and remote control

These specifications are subject to change without notice.

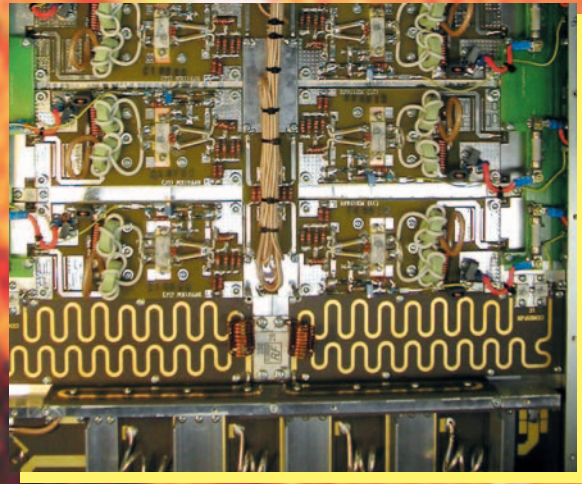
**Powerful,
Compact
and only
in 6 HE!!!**



**Broadcast
EQUIPMENT**



Rear view



Internal design

TECHNICAL SPECIFICATIONS PJ 2000 M-C - LCD Version

| | |
|-----------------------------------|--|
| • AC Power Source | three-ph. Y 230/400VAC, 50 – 60Hz, three-ph. Y 120/208VAC, 50 – 60Hz, single-ph. ~ 230VAC, 50 – 60Hz. |
| • Frequency Range | 87.5 – 108 MHz |
| • Weight | PS Module: 21Kg RF Module: 34Kg Total: 55Kg |
| • Output Power | 2000W typical |
| • R.F. Output Connector | 7/8" EIA Flange |
| • Output Impedance | 50 Ω |
| • R.F. Input Connector | "N" Type |
| • Input Impedance | 50 Ω |
| • Input Drive Power | about 30W typical 28W |
| • Power Consumption | about 3,6kW |
| • Efficiency | better than 55% |
| • Harmonic & Spurious Suppression | meets or exceed all FCC and CCIR requirements |
| • Cooling | Forced Air |
| • Operating Temperature | from -10° C to +50° C |
| • Cabinet Dimension | Parte RF: 132.5 (5.22") H 454.0 (17.87") W 655.5 (25.80") D Parte PS: 132.5 (5.22") H 454.0 (17.87") W 655.5 (25.80") D |
| • Serial Interface | RS232 (DB9 female connector to link the amplifier with external devices). I2C (DB9 female connector for I2C bus networking) |
| • Telemetry Interface | 7 analog outputs (FWD PWR, RFL PWR, Temperature, VPA, IPA, Power Input, Internal SWR) 4 Digital Inputs 8 open-collector digital outputs |

CE 99/5/CE



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