



FM Mosfet Amplifier 87.5-108 MHz range

AMPLIFIERS
TRANSMITTERS
ANTENNAS
ACCESSORIES



PJ 1000M-C

BROADBAND POWER

MOSFET

PJ 1000M-C Features

1. Off-line SMPS 2 KW, 20-48 Vcc with PFC (Power Factor Corrector).
Cos ϕ > 0.95, Efficiency > 90%.
2. Weight less than 20 Kg.
3. Really small dimensions (Only 3 HE).
4. Overall efficiency 70%, 1450 W power consumption.
5. Automatic power reduction in case of voltage step-down, temperature variation and VSWR (Internal fold-back control).
6. Quick alarms response in case of reflected power, temperature variation, I_{max}, VPA and over-drive.
7. Telemetry connectors for remote control, remote control via TCP/IP.

PJ 1000M-C Caratteristiche

1. Alimentatore switching da rete da 2 KW con PFC (Power Factor Corrector).
Cos ϕ > 0.95, Efficienza > 90%.
2. Peso inferiore a 20 Kg.
3. Dimensioni veramente ridotte (Solamente 3 unità)
4. Efficienza totale 70%, 1450 W di consumo di potenza.
5. Riduzione automatica della potenza per abbassamento della tensione, temperatura e ROS (Controllo di fold-back interno).
6. Protezioni ultra veloci per la potenza riflessa, temperatura, I_{max}, VPA e over-drive.
7. Connettori di telemetria per controllo remoto, controllo remoto via TCP/IP.

PJ 1000M-C Caractéristiques

1. Alimentation switching de 2 KW directement reliée à l'alimentation principale avec PFC (Power Factor Corrector).
Cos ϕ > 0.95, Rendement > 90%.
2. Poids inférieur à 20 Kgs.
3. Dimensions vraiment réduites (Seulement 3HE).
4. L'efficacité totale de 70%, 1450 W de consommation de puissance.
5. Réduction automatique de la puissance en cas de baisse de tension, variation de température et VSWR (Contrôle de fold-back interne).
6. Protection extrêmement rapides en cas de puissance réfléchi, variation de température, I_{max}, VPA et over-drive.
7. Connecteurs de télémesure et télécontrôle, télécommande par TCP/IP.

**Broadcast
EQUIPMENT**

These specifications are subject to change without notice.



R.F. Section



Rear view

TECHNICAL SPECIFICATIONS PJ 1000M-C

• AC Power Source:	220 Vac, 50-60 Hz, with PFC
• Frequency range:	87.5 – 108 MHz
• Output power:	1000 W
• R.F. Output connector:	7/16" female
• Output impedance:	50 Ohm
• R.F. Input connector:	N-type
• Input driver power:	About 25 W
• Power consumption:	1450 W
• Efficiency:	about 70%
• Harmonics & Spurious Suppression:	Meets or exceeds all FCC and CCIR requirements
• Cooling:	Forced ventilation
• Operating temperature:	from -10° C to +50° C
• Dimensions:	132 mm (5,19") H, 3HE 600 mm (23,61) D 483 mm (Standard 19") W
• Weight:	Less 20 Kg.
• Serial Interface:	RS232 (DB9 female connector) IIC (DB9 female connector for IIC bus networking)
• Telemetry interface:	DB25 female connector

CE 99/5/CE



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MOSFET

AUDIO
FREQUENCY

RADIO
LINKS

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