

MTM 10 ... 1000 MHz

Amplifiers Modules



STANDARD MODELS

Model	Frequency Range MHz	Output power	Power Gain	2nd Harmonic Power @ Psat	3rd Harmonic Power@ Psat	Spur @ Psat	Input VSWR
		Min W	Min dB	Max dBc	Max dBc	Max dBc	Max
MTM00101-30	10-1000	30	45	-15	-10	-70	2.0

(Voltage:+28V, Output Power: 30W,Load:50Ω)

Model	Operating temperature °C	Storage Temperature °C	Dimensions (W,H, D) mm
MTM00101-30	-40°C to+60°C	-45°C to+70°C	160*85*25

REMARKES/CONDITIONS

- When operating at high temperature +50°C, the output power is allowed to drop by 1 dB when the temperature of the amplifier rises to +80°C. When the temperature rises to +90°C, over temperature protection will be work. When the temperature drops to 70°C or less, the output power can be self-recovered.
- Without special directions, all the testing conditions are: Vd=+28V, output connect 50Ω load.

GENERAL

RF Input: SMA-f; standard on front panel
 RF Output: SMA-f; standard on front panel
 Mains Supply: Unit consumption current $P_o=30W \leq 7A$ (test in Voltage:+28V,Output Power: 30W,Load:50Ω)
 Operating Temperature: -40°C to+60°C
 Storage Temperature: -45°C to+70°C

Interface definition

Item	Panel interface	Function
1	Connector SMA	RF Input
2	Connector SMA	RF Output
3	VCC	Voltage 28V, Currents≤7A
4	GND	Power Ground
5	PTT	2-5V amplifier power-on, lower than 0.8V amplifier power-off

Inspection method

