

# 2.4 GHz

## AMP-5000M/10 10 W POWER AMPLIFIER

This is a high power microwave amplifier for 2.4 GHz made for Military applications. It requires only 10 mW RF power input for 10 W RF power output in 2.4 GHz band. This amplifier needs 12 V / 2.5 A (Stand by mode) or 5 A max with full power. Weight is 1000 grams. This is a unidirectional amplifier.



### **FEATURES:**

- 2300 MHz – 2500 MHz
- SMA antenna connector
- 2.1 mm power plug
- Ga-As FET technology
- Very long range
- Recommended for 2.4 GHz transmitters

| Technical Specifications  | AMP-5000M/10                    |
|---------------------------|---------------------------------|
| Operating Frequencies:    | 2300 MHz- 2500 MHz              |
| Operating class:          | Linear AB                       |
| DC Voltage:               | 12 V                            |
| RF power:                 | 10 W                            |
| Input power:              | 10 mW, max. 65 mW               |
| Minimum required voltage: | 10 V                            |
| Battery power:            | 12 V - 14 V                     |
| Video distortion:         | N/A                             |
| Video Format:             | N/A                             |
| Current Consumption:      | 2.5 A / 12 V stand by (5 A max) |
| Antenna:                  | N/A                             |
| Antenna Connector:        | BNC, N on request               |
| Impedance:                | 50 ohms                         |
| Temperature Range:        | -40 +75° C                      |
| Dimensions:               | 5" X 2.2 " X 1.6"               |
| Weight:                   | 300 grams                       |



[www.rf-video.com](http://www.rf-video.com),

Email to: [info@rf-video.com](mailto:info@rf-video.com).

Copyright. © 2002-2012