

# High Power Amplifiers



## Applications

- Anti-IED Applications
- Radar
- Electronic Warfare
- Radio & Radio boosters

## Features

- Multi-Octave Broadband
- High Efficiency
- Compact Size and Light weight
- Protections against High VSWR, Over temperature
- Communication thru RS-232(optional)
- Temperature Monitor
- Output Power Control

## Specification

| Frequency Band                                       | 2.5GHz ~ 6.0GHz                           | 1GHz ~ 2.5GHz                             | 500MHz ~ 1000MHz                          | 20MHz ~ 500MHz                            |
|--|---|---|---|---|
| Output Power (P-1dB)                                 | 35Watts                                   | 50Watts                                   | 80Watts                                   | 80Watts                                   |
| Gain   | 36dB min.                                 | 35dB min.                                 | 40dB min.                                 | 40dB min.                                 |
| Gain Flatness @ P1 dB                                | +/- 2.0 dB Max                            | ±2.5dB                                    | ±2.5dB                                    | ±2.5dB                                    |
| Output Power Control<br>(Power Consumption)          | 3.0dB (90%)<br>4.5dB (75%)<br>6.0dB (50%) | 3.0dB (90%)<br>4.5dB (75%)<br>6.0dB (50%) | 3.0dB (90%)<br>4.5dB (75%)<br>6.0dB (50%) | 3.0dB (90%)<br>4.5dB (75%)<br>6.0dB (50%) |
| VSWR   | Input 1.5:1,<br>Output 2.5:1 Max          | Input 1.5:1,<br>Output 2.5:1 Max          | 1.5 :1                                    | 1.5 :1                                    |
| In / Output Connector                                | SMA(F)                                    | SMA(F)                                    | SMA(F)                                    | SMA(F)                                    |
| Power supply   | 23 ~ 32V / 10A                            | 23 ~ 32V / 10A                            | 23 ~ 32V / 15A                            | 23 ~ 32V / 15A                            |
| Operating temperature<br>(Baseplate meet All Specs.) | -40°C to +90°C                            | -40°C to +90°C                            | -40°C to +90°C                            | -40°C to +90°C                            |
| Size (inch)  | L6 x W2.5 x H1.4                          | L6 x W2.5 x H1.4                          | L6 x W2.5 x H1.4                          | L6 x W2.5 x H1.4                          |

The specification subject to change without notice.

For the customized specification, price, and delivery ; Contact us

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