

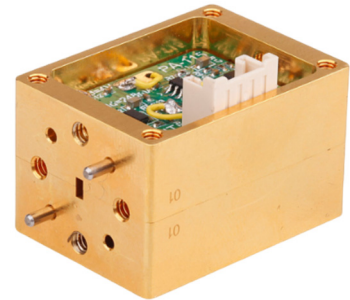
F-Band Power Amplifier



PA-1001151015-1010

F-Band Power Amplifier, 100 to 115 GHz, 10 dB Gain, 15 dBm P_{1dB}

Model PA-1001151015-1010 is a F-band power amplifier with a typical small signal gain of 10 dB and a nominal P_{1dB} of 15 dBm across the frequency range of 100 to 115 GHz. The DC power requirement for the amplifier is +8 VDC/250 mA. The input and output port configuration offers an inline structure with WR10 waveguides and UG-387/U-M anti-cocking flanges. Other port configurations are available under different model numbers.



Features:

- Moderate Output Power
- Low Power Consumption

Applications:

- Radar Systems
- Communication Systems

Electrical Specifications:

| Item | Minium | Typical | Maximum |
|-----------------------|--------|---------|---------|
| Frequency | 100GHz | | 115GHz |
| Gain | | 10dB | |
| P _{1dB} | | +15dBm | |
| P _{sat} | | +16dBm | |
| P _{in} | | | 15dBm |
| Input Return Loss | | 10dB | |
| Output Return Loss | | 10dB | |
| DC Voltage | | +8V DC | +12V DC |
| DC Supply Current | | 250mA | |
| Operating Temperature | 0°C | | 50°C |

Mechanical Specifications:

| Item | Specification |
|---------------|------------------|
| Input | WR-10 UG-387/U-M |
| Output | WR-10 UG-387/U-M |
| Bias | Solder Pin |
| Case Material | Aluminum |
| Finish | Gold Plated |
| Weight | 76g |
| Size | L33*W22*H20 |
| Outline | |



F-Band Power Amplifier

PA-1001151015-1010

F-Band Power Amplifier, 100 to 115 GHz, 10 dB Gain, 15 dBm P_{1dB}

Mechanical Outline:

