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| Wideband RF Power Amplifier CRF-PA-10700M12700M-100W | Frequency Range 10,700 – 12,700 MHz Rated Output Power 100 W | Connector Input: SMA-Female Output: WR75 Package Size TBD |
|--|---|---|

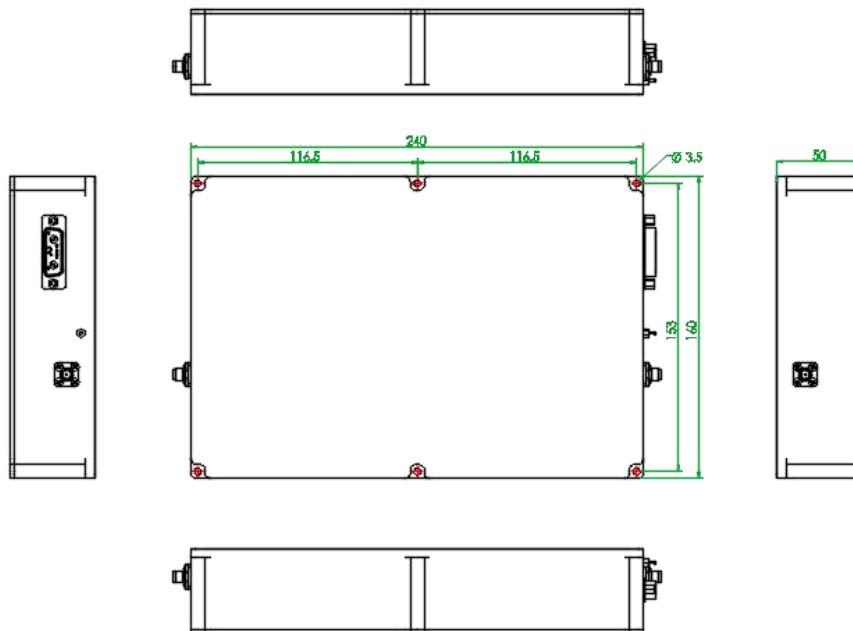
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

| Parameter | Min | Typ | Max | Units |
|-----------------------|------|--|-------|---------|
| Frequency Range | | 10,700 – 12,700 MHz | | |
| Gain | 50 | | | dB |
| Gain Flatness | -2.5 | | 2.5 | dB |
| Adjustable Gain | | | 20 | dB |
| Input VSWR | | | 2 : 1 | |
| Input power | | | 0 | dBm |
| Rated Output Power | 100 | | | W |
| Power Supply | | 28V/30A DC | | |
| Harmonics | | | -15 | dBc |
| Spurious | | | -60 | dBc |
| RF Connectors In/Out | | Input: SMA-Female Output: WR75 | | |
| Control Interface | | RS485 | | |
| Dimensions | | TBD | | |
| Impedance | | 50 | | Ω |
| Operating Temperature | 0 | | 50 | °C |
| Cooling Method | | Air cooling | | |
| Noise Floor | | | -40 | dBm/MHz |
| Application | | Test & measurement / communication / interference / aviation control | | |
| Built-in protection | | over-voltage, over- temperature, over- drive and VSWR. Design based on advanced GaN technology. | | |

Mechanical Outline

Complete outline drawing shown below for clear integration reference.



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|---|--|--|
| Model CRF-PA-10700M12700M-100W | Package Size TBD | Gain 50dB |
| Connector Reference RF IN: N-Female RF OUT: N-Female Control: RS485 | Power / Cooling Supply: 28 VDC Cooling: Air cooling | Release Note Mechanical drawing is provided for installation reference. Final dimensions are subject to the production unit. |

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| Applications Test & measurement / communication / interference / aviation control | Customization Optional forward/reverse power monitoring, input power detection and GPIB control interface are available. |
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Compliance / Quality Framework

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|----------------|----------|----------|-----------|
| RoHS Compliant | CE / FCC | ISO 9001 | GJB 9001C |
|----------------|----------|----------|-----------|

Test data and pattern files can be supplied for project review where applicable.