



2525 Shader Road, Orlando Florida 32804 USA  
 Phone: 407-298-2000 Fax: 407-293-2979  
 Website: mtronpti.com NYSE MKT: LGL

## 18.0-40GHz, Rack Mount Power Amplifier Suite MtronPTI P/N: PA4037

### FEATURES

High frequency, high power 3-Bands  
 3 inputs and 3 outputs  
 Rack mount chassis  
 Suitable for all modulations standards  
 Built-in protection circuits  
 High reliability and ruggedness



### ELECTRICAL SPECIFICATIONS

| MODEL                     |       | Band A         | Band B        | Band C      |
|---------------------------|-------|----------------|---------------|-------------|
| PARAMETERS                | LIMIT | SPECIFICATIONS |               |             |
| Frequency Range           | Min   | 18 - 26.5 GHz  | 26.5 - 31 GHz | 31 - 40 GHz |
| Saturated Output Power CW | Min   | 10 Watt        | 8 - 10 Watt   | 8 Watt      |
| Output Power @ P1dB CW    | Typ   | 8 Watt         | 6 - 8 Watt    | 7 Watt      |
| Small Signal Gain         | Min   | 40 dB          |               |             |
| Gain Flatness             | Max   | 6 dB p-p       |               |             |
| Input Return Loss         | Min   | 10 dB          |               |             |
| Noise Figure              | Min   | 10 dB          |               |             |
| Harmonics                 | Max   | -20 dBc        |               |             |
| Non Harmonics Spurious    | Max   | -60dBc         |               |             |
| Operating Voltage         | Nom   | 100 - 240 VAC  |               |             |
| AC Power Consumption      | Max   | 400 Watt       |               |             |
| Max Input Power           | Max   | 0 dBm          |               |             |
| Load VSWR Protection      | Max   | 5 : 1          |               |             |

### ENVIRONMENTAL CHARACTERISTICS

| PARAMETERS                    | SPECIFICATIONS           |
|-------------------------------|--------------------------|
| Operating Ambient Temperature | 0 to +50 °C              |
| Storage Temperature           | -20 to +75 °C            |
| Relative Humidity             | 5 to 95 % Non-Condensing |

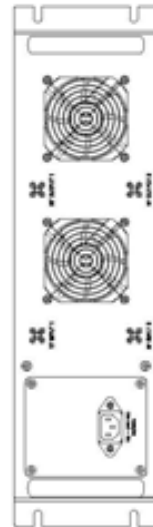
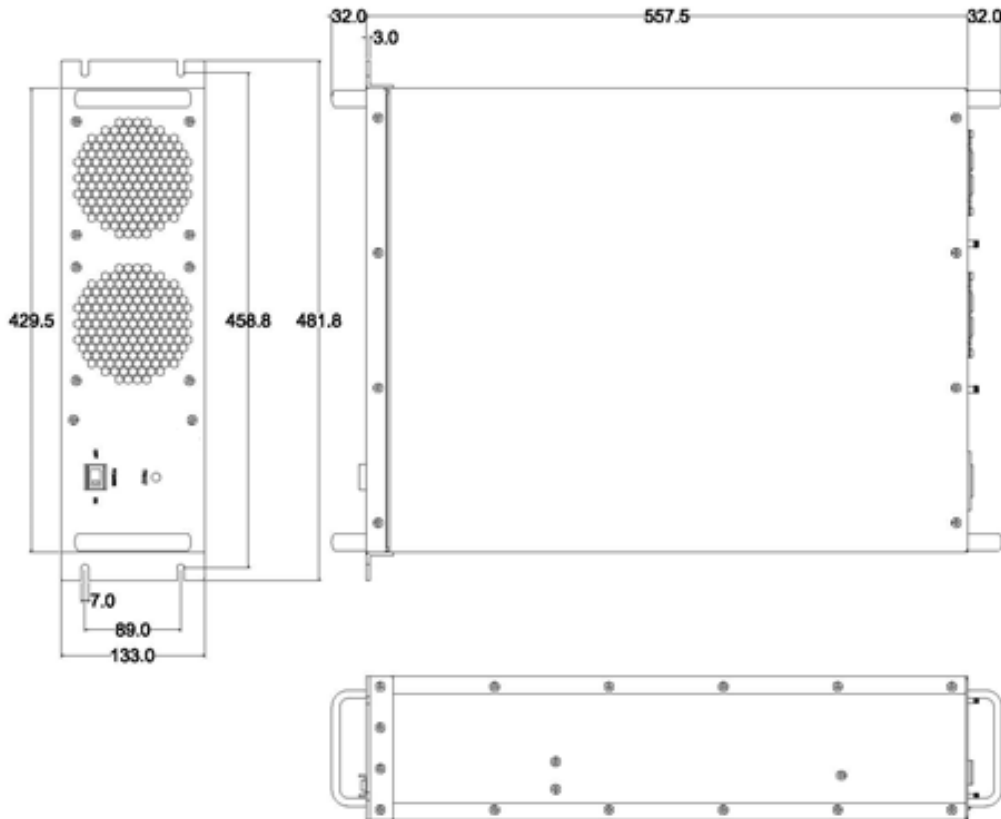
### MECHANICAL SPECIFICATIONS

| PARAMETERS                     | SPECIFICATIONS              |
|--------------------------------|-----------------------------|
| Dimensions W x H x D           | 430 x 133 x 558 mm          |
| Weight                         | 20 kg.                      |
| RF Connectors In/Out           | High Frequency SMA-F        |
| AC Power / Interface Connector | IEC 60320-C14 / 9-Pin D-Sub |
| Cooling                        | Built in Fan Cooling        |



**18.0-40GHz, Rack Mount Power Amplifier Suite**  
**MtronPTI P/N: PA4037**

**OUTLINE DRAWING**



**\*. NOTE**

1. 3U, Excluding Handles
2. RF IN/OUT Connector : SMA Female
3. AC Connector : IEC 60320-C14