Amplus Communication has been serving the global VSAT industry, being continuously managed by the Most Experienced Personnel in Design, Engineering and Manufacturing of VSAT equipment in the Southeast Asia region.

300W, 400W

AM-2100 Series C-Band SSPA

All-In-One Package for Crucial VSAT Networks

Key Features & Benefits

• Waterproof IP65 Standard
• Monitoring & Controlling through RS232/485 & TCP/IP
• Tricolour LED Status Indicator to Identify SSPA Status Instantly
• Output Sample Monitoring Port
• Built-In Waveguide Output Isolator
• Built-In Harmonic Reject Filter

Optional Features & Accessories

• Handheld Terminal for M&C
• TCP/IP M&C Interface

Frequency Range (MHz)

<table>
<thead>
<tr>
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<th>RF</th>
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<tbody>
<tr>
<td>Std C</td>
<td>5850 - 6425</td>
</tr>
<tr>
<td>Ext-Palapa</td>
<td>6365 - 6725</td>
</tr>
<tr>
<td>Ext C</td>
<td>6425 - 6725</td>
</tr>
<tr>
<td>Full C</td>
<td>5850 - 6725</td>
</tr>
<tr>
<td>Insat C</td>
<td>6725 - 7025</td>
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<tr>
<td>Insat C (Inverted)</td>
<td>6725 - 7025</td>
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**AM-2100 Series C-Band SSPA**

### Technical Details

#### RF Specifications
- **Input / Output Frequency:** As per the frequency table on front page
- **Output Power P^3dB W(dBm):** 300 (54.8)
- **Output Power P^SAT W(dBm):** 400 (56)
- **Gain:** 70 dB nominal
- **Gain Flatness:** ±1.5dB typical
- **Gain Stability over Temperature:** ±2dB
- **Gain Control Range:** 20dB
- **Intermodulation Product:** -25dBc max (3dB total back-off from rated power)
- **Spurious:** -60 dBc max
- **I/P VSWR:** 1.8 : 1 max
- **O/P VSWR:** 1.3 : 1 max

#### Monitor & Control
- **Monitor:** Temperature reading
- **Control:** SSPA On/Off
- **Gain Flatness:** ±2dB
- **Gain Adjustment:** Gain adjustment
- **Interface:** Via PC : RS 232/485 (TCP-IP option available)

#### Redundancy
- **Built-In Redundancy**

#### Environmental Conditions
- **Temperature:** -40°C to +55°C
- **Humidity:** 0 to 100%

#### Mechanical
- **Dimensions:** 575L x 455W x 205H mm / 22.6L x 17.9W x 8H inches
- **Weight:** 39 kg / 86 lb

#### Operating Power Requirement
- **Operating Voltage:** 200 to 240 VAC
- **Power Consumption (Watts):** 2200 max

#### Interfaces
- **RF input Interface:** N type
- **Output Interface:** CPR 137G

#### LED Status
- **Green:** Normal
- **Red:** Fault
- **Blue:** PA Off

*All specifications & designs are subject to changes without notice*

Version 201806