16-way Single L-band Active Splitter

With dual redundant amplifiers & 10MHz Pass

This is a high performance L-band splitter utilising ETL’s 16-way active equalised splitter, which gives very good gain flatness and group delay.

Front View of Model 22186-F7F7

The splitter also has dual redundant amplifiers with automatic changeover based on current monitoring. A tri-state LED on the front panel displays amplifier status. The splitter is powered by DC from any of the RF output ports. The splitter also passes LNB bias, which is switchable from an internal DIL switch, and passes 10Mhz via a 10MHz injection port on the rear panel.

Rear View of Model 22186-F7F7

This particular unit has 75 ohm F-type connectors, but is a variety of impedances and connector types are available (model numbers will vary).
**Model Number: 22186-F7F7**

16-way Single L-band Active Splitter with dual redundant amplifiers & 10MHz Pass

### Technical specifications and operating parameters

<table>
<thead>
<tr>
<th>RF Parameters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>16-way</td>
</tr>
<tr>
<td><strong>Frequency Range</strong></td>
<td>950 – 1750 MHz (L-band)</td>
</tr>
<tr>
<td><strong>Gain</strong></td>
<td>10 dB ± 3 dB</td>
</tr>
<tr>
<td><strong>1dB Compression</strong></td>
<td>0 dBm</td>
</tr>
<tr>
<td><strong>Output-Output Isolation</strong></td>
<td>&gt; 25 dB</td>
</tr>
<tr>
<td><strong>10MHz Insertion Loss</strong></td>
<td>&lt; 1 dB</td>
</tr>
<tr>
<td><strong>10MHz Input Signal levels</strong></td>
<td>-10 to + 5 dBm</td>
</tr>
<tr>
<td><strong>Input Return Loss</strong></td>
<td>&gt; 13 dB typical</td>
</tr>
<tr>
<td><strong>Output Return Loss</strong></td>
<td>&gt; 9 dB typical</td>
</tr>
</tbody>
</table>

### System Control

**Display**
- Front Panel LED for amplifier status

### Environmental

**Operating temperature**
- 0 to 45˚C

**Location**
- Indoor use only

**Storage temperature**
- -20˚C to +75˚C

**Humidity**
- 85% non-condensing

### Physical

**Input Connector**
- F-type

**Input Impedance**
- 75Ω

**Output Connector**
- F-type

**Output Impedance**
- 75Ω

**Dimensions**
- 1U high x 350mm deep x 19” wide

**Colour**
- White 00-E-55 semi-gloss

### Power

**DC Input (injected on L-band outputs)**
- 13 – 28 V DC

**DC Output (selectable on L-band input)**
- Highest DC input less approx 0.35V

**LNB Power**
- DC Pass

**PSU**
- External DC injection only

### Key Features

- An automatic, cold standby, dual redundant amplifier
- Tri-colour LED indicating status of Amplifier