



## LA-30F Line Amplifier

Connector: F: 75 Ohm

Norsat's line Amplifiers provide a range of amplification at 950 to 2150 MHz and handles the current requirement of the LNB. It features a rugged, die cast aluminum chassis and is environmentally sealed and moisture resistant.



### KEY SPECIFICATIONS

|                  |                        |
|------------------|------------------------|
| Frequency        | L-Band: 950 - 2150 MHz |
| Noise Figure     | 5 dB max.              |
| Product Revision | C                      |

### RF SPECIFICATIONS

|                                |              |
|--------------------------------|--------------|
| Conversion Gain Max            | 35 dB        |
| Conversion Gain Min            | 6 dB         |
| Gain Flatness (Over Full Band) | ≤ 4 dB p-p   |
| Input VSWR                     | 2.2 : 1 max. |
| Output P1dB                    | + 2 dBm min. |
| Output VSWR                    | 2.2 : 1 max. |

### ELECTRICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| Current Consumption | 175 mA max.   |
| Input Requirement   | -85 to -40 dBm (nominal); -30 dBm max. -5 dBm (no damage for duration 5 seconds max.) |

### INTERFACE SPECIFICATIONS

|                     |           |
|---------------------|-----------|
| RF Input Connector  | F: 75 Ohm |
| RF Output Connector | F: 75 Ohm |

### ENVIRONMENTAL SPECIFICATIONS

|                         |                |
|-------------------------|----------------|
| Temperature Operational | -30°C to +50°C |
| Temperature Storage     | -40 to +70°C   |

### PHYSICAL SPECIFICATIONS

|                |         |
|----------------|---------|
| Product Height | 0.051 m |
| Product Length | 0.161 m |
| Product Weight | 0.5 kg  |



Product Width 0.085 m

### SHIPPING INFORMATION

|                                    |                      |
|------------------------------------|----------------------|
| HS Code                            | 8517690000           |
| Country of Origin                  | Made in Canada       |
| Ex Works                           | Richmond, BC, Canada |
| ECCN Number                        | EAR99                |
| Warranty                           | 3 years              |
| Unit Package Dimensions            | 195 x 100 x 60 mm    |
| Unit Package Weight                | 0.5 kg               |
| Total Aluminium Content            | 0.363 kg             |
| Aluminum Country of Smelt and Cast | Made in Canada       |
| Total Aluminium Value              | 0.9075               |

### MECHANICAL DIAGRAMS

