## SPECIFICATIONS

**Line Item 1:**
Amplifier
Electrical Specifications:
Frequency Min.: 800 MHz
Frequency Max.: 2500 MHz
Gain Minimum: 30 dB
Gain Flatness: +/- 2 dB Max
Noise Figure: 0.7 dB Max
Input VSWR: 2.3 Ratio
Output VSWR: 2.2 Ratio
Output P1dB: 10 dBm Min
Supply Voltages
Voltage 1 Nom.: 15 V
Current 1 Typ.: 150 mA
Mechanical
Outline Drawing: 122686
Environmental
Specs Guaranteed Temp Min.: 23 °C
Operating Temperature Min.: -40 °C
Operating Temperature Max.: 75 °C
Additional Specifications
* Noise Figure: 0.6 dB Typ

**Line Item 2:**
Amplifier
Electrical Specifications
Frequency Min.: 2000 MHz
Frequency Max.: 4000 MHz
Gain Minimum: 40 dB
Gain Flatness: +/- 1.5 dB Max
Noise Figure: 0.5 dB Max
Input VSWR: 2 Ratio
Output VSWR: 2 Ratio
Output P1dB: 10 dBm Min
Supply Voltages
Voltage 1 Nom.: 15 V
Current 1 Nom.: 150 mA
Mechanical
Outline Drawing: 131581-3
Environmental
Specs Guaranteed Temp Min.: 23 °C
Operating Temperature Min.: -40 °C
Operating Temperature Max.: 75 °C

**Line Item 3:**
Amplifier
Electrical Specifications
Frequency Min.: 8500 MHz
Frequency Max.: 9600 MHz
Gain Minimum: 41 dB
Gain Flatness: +/- 0.5 dBMax
Noise Figure: 0.9 dB Max
Input VSWR: 1.5 Ratio
Output VSWR: 1.5 Ratio
Output P1dB: 12 dBm Min
Supply Voltages
Voltage Nom.: 15 V
Current Typ.: 175 mA
Mechanical
Outline Drawing: 131581-4
Environmental
Specs Guaranteed Temp Min.: 23 °C
Operating Temperature Min.: -40 °C
Operating Temperature Max.: 75 °C

**Line Item 4:**
Amplifier
Electrical Specifications
Frequency Min.: 1500 MHz
Frequency Max.: 2500 MHz
Gain Minimum: 45 dB
Gain Flatness: +/- 1 dB Max
Noise Figure: 0.6 dB Max
Input VSWR: 2 Ratio
Output VSWR: 2 Ratio
Output P1dB: 10 dBm min
Supply Voltages
Voltage 1 Nom.: 15 V
Current 1 Nom.: 200 mA
Mechanical
Outline Drawing: 121622
Environmental
Specs Guaranteed Temp Min.: 23 °C
Operating Temperature Min.: -40 °C
Operating Temperature Max.: 75 °C

**Line Item 5:**
Amplifier – Weatherproof LNA SATCOM
Electrical Specifications:
Frequency: 7 to 10 GHz
Gain: 40 dB min
Gain Flatness: ± 2.5 dB max
Noise Figure: 1.504 dB
Noise Temperature: 120 K Max
VSWR In: 2:1
VSWR Out: 2:1
P1dB Out: 10 dBm Min.
P1dB Out: 10 dBm Typ.
Voltage: 15 V Nom.
Current: 200 mA
Impedance: 50 Ohms
Connector In: WG
Connector Out: SMA
Number of Channels: 1
Operating Temp: -40 to 60 °C
Outline Dwg: 173372

**Line Item 6:**
Amplifier – Weatherproof LNA SATCOM
Electrical Specifications:
Frequency: 5.5 to 8.4 GHz
Gain: 40 dB min
Gain Flatness: ± 4 dB max
Noise Figure: 1.231 dB
Noise Temperature: 95 K Max
VSWR In: 2.5:1
VSWR Out: 2.5:1
P1dB Out: 10 dBm Min.
P1dB Out: 10 dBm Typ.
Voltage: 15 V Nom.
Current: 150 mA
Impedance: 50 Ohms
Connector In: CPR137
Connector Out: SMA F
Number of Channels: 1
Operating Temp: -40 to 60 °C
Outline Dwg: 133174

**Line Item 7:**
Amplifier – Weatherproof LNA SATCOM With Fault Alarm

Electrical Specifications:
Frequency: 3.5 to 5.5 GHz
Gain: 40 dB min
Gain Flatness: ± 2 dB max
Noise Figure: 0.495 dB
Noise Temperature: 35 K Max
VSWR In: 2.5:1
VSWR Out: 2.5:1
P1dB Out: 10 dBm Min.
P1dB Out: 10 dBm Typ.
Voltage: 15 V Nom.
Current: 175 mA
Impedance: 50 Ohms
Connector In: CPR229
Connector Out: N(F)
Number of Channels: 1
Operating Temp: -15 to 60 °C
Outline Dwg: 125063-1