Presenting...

New Product Releases from Planar Monolithics Industries, Inc.
April 17, 2020

1.0 PMI Model No. PBB-15-218-20-LCA, 2.0 to 18.0 GHz Low Noise Amplifier

PMI Model No. PBB-15-218-20-LCA is a Low Noise Amplifier that operates over the 2.0 to 18.0 GHz frequency range. It has a typical noise figure of 3 dB and a typical gain of +15 dB. This model is outfitted with SMA female connectors in a housing measuring 1.08" x 0.71" x 0.29".

- Frequency Range: 2.0 to 18.0 GHz
- Gain: +15 dB Typ.
- Gain Flatness: ±2.0 dB Typ. - Measured ±1.39 dB
- Noise Figure: 3.0 dB Typ.
- OP1dB: 18 dBm Min., 20 dBm Typ.
- VSWR In/Out: 2.0:1 Max.
- DC Voltage Supply: +12 VDC
- DC Current Draw: 180 mA Typ.

PMI Website Link,
2.0 PMI Model No. PBB-15-220-12-LCA, 2.0 to 20.0 GHz Low Noise Amplifier

PMI Model No. PBB-15-220-12-LCA is a Low Noise Amplifier that operates over the 2.0 to 20.0 GHz frequency range. It has a typical noise figure of 3 dB and a typical gain of +15 dB. This model is outfitted with SMA female connectors in a housing measuring 1.08" x 0.71" x 0.29".

- Frequency Range: 2.0 to 20.0 GHz
- Gain: +15 dB Typ.
- Gain Flatness: ±1.75 dB Typ. - Measured ±0.87 dB
- Noise Figure: 3.0 dB Typ.
- OP1dB: +12 dBm Typ.
- VSWR In/Out: 2.0:1 Max.
- DC Supply: +12 VDC @ 75 mA Typ.

PMI Website Link,

3.0 PMI Model No. PLN-17-110-15-LCA, 1.0 to 10.0 GHz Low Noise Amplifier

PMI Model No. PLN-17-110-15-LCA is a Low Noise Amplifier that operates over the 1.0 to 10.0 GHz frequency range. It has a typical noise figure of 2 dB and a typical gain of 17 dB. This model is outfitted with SMA female connectors in a housing measuring 1.08" x 0.71" x 0.29".

- Frequency Range: 1.0 to 10.0 GHz
- Gain: 17 dB Typ.
- Gain Flatness: ±1.5 dB Typ. - Measured ±0.59 dB
- Noise Figure: 2.0 dB Typ.
- OP1dB: 15 dBm Typ.
- VSWR In/Out: 2.0:1 Typ.
- DC Voltage Supply: +12 to +15 VDC
- DC Current Draw: 65 mA Typ. - Measured 60 mA

PMI Website Link,

4.0 PMI Model No. PLN-25-812-10-LCA, 8.0 to 12.0 GHz Low Noise Amplifier

PMI Model No. PLN-25-812-10-LCA is a 8.0 to 12.0 GHz Low Noise Amplifier. It has a typical noise figure of 1.8 dB and a typical gain of 25 dB. It has SMA female connectors in a housing measured at 1.08" x 0.71" x 0.29".

- Frequency Range: 8.0 to 12.0 GHz
- Gain: +25 dB Typ. - Measured 25.7 dB
- Gain Flatness: ±1.0 dB Typ. - Measured ±0.41 dB
- Noise Figure: 1.8 dB Typ.
- OP1dB: +10 dBm Typ.
- VSWR In/Out: 2.0:1 Typ. - Measured 1.34:1/1.36:1
- DC Voltage Supply: +12 VDC
- DC Current Draw: 75 mA Typ. - Measured 72 mA
5.0 PMI Model No. PLN-32-68-2-LCA, 6.0 to 8.0 GHz Low Noise Amplifier

PMI Model No. PLN-32-68-2-LCA is a Low Noise Amplifier that operates over the 6.0 to 8.0 GHz frequency range. It has a typical noise figure of 1 dB and a typical gain of 32 dB. This model is outfitted with SMA female connectors in a housing measuring 1.08" x 0.71" x 0.29".

- Frequency Range: 6.0 to 8.0 GHz
- Gain: 32 dB Typ.
- Gain Flatness: ±1.25 dB Typ. - Measured ±0.27 dB
- Noise Figure: 1.0 dB Typ.
- OP1dB: +2 dBm Typ.
- VSWR In/Out: 2.0:1 Max.
- DC Supply: +12 to +15 VDC @ 41 mA

PMI Website Link,

6.0 PMI Model No. PLN-32-810-2-LCA, 8.0 to 10.0 GHz Low Noise Amplifier

PMI Model No. PLN-32-810-2-LCA is a 8.0 to 10.0 GHz Low Noise Amplifier. It has a typical noise figure of 0.8 dB and a typical gain of 32 dB. The housing is measured at 1.08" x 0.71" x 0.29" and has SMA female connectors.

- Frequency Range: 8.0 to 10.0 GHz
- Gain: +32 dB Typ.
- Gain Flatness: ±0.58 dB
- Noise Figure: 0.8 dB Typ.
- OP1dB: +2 dBm Typ.
- OP3: +10 dBm Typ.
- Max Input Power CW: +10 dBm
- VSWR In/Out: 2.0:1 Typ.
- DC Voltage Supply: +12 VDC
- DC Current Draw: 40 mA Typ. - Measured 29 mA

PMI Website Link,

7.0 PMI Model No. POB-15-818-20-LCA, 8.0 to 18.0 GHz Low Noise Amplifier

PMI Model No. POB-15-818-20-LCA is a 8.0 to 18.0 GHz Low Noise Amplifier. It has a typical noise figure of 3 dB and a typical gain of 15 dB. The housing is measured at 1.08" x 0.71" x 0.29" and has SMA female connectors.

- Frequency Range: 8.0 to 18.0 GHz
- Gain: +15 dB Typ.
- Gain Flatness: ±0.69 dB
- Noise Figure: 3.0 dB Typ.
- OP1dB: +20 dBm Typ., 18 dBm Min. - Measured +21.6 dBm
8.0 PMI Model No. POB-16-48-22-LCA, 4.0 to 8.0 GHz Low Noise Amplifier

PMI Model No. POB-16-48-22-LCA is a 4.0 to 8.0 GHz Low Noise Amplifier. It has a typical noise figure of 3 dB and a typical gain of 16 dB. The unit is supplied in a housing measuring 1.08" x 0.71" x 0.29" and has SMA female connectors.

- Frequency Range: 4.0 to 8.0 GHz
- Gain: 16 dB Typ.
- Gain Flatness: ±1.0 dB Typ. - Measured ±0.62 dB
- Noise Figure: 3.0 dB Typ. - Measured 2.95 dB
- OP1dB: +20 dBm Min., +22 dBm Typ.
- VSWR In/Out: 2.0:1 Typ. - Measured 1.16:1/1.27:1
- DC Voltage Supply: +12 VDC
- DC Current Draw: 225 mA Typ.


9.0 PMI Model No. POB-28-24-15-LCA, 2.0 to 4.0 GHz Low Noise Amplifier

PMI Model No. POB-28-24-15-LCA is a Low Noise Amplifier that operates over the frequency 2.0 to 4.0 GHz. It has a typical noise figure of 3 dB and a typical gain of 28 dB. The housing is measured at 1.08" x 0.71" x 0.29" and has SMA female connectors.

- Frequency Range: 2.0 to 4.0 GHz
- Gain: 28 dB Typ.
- Gain Flatness: ±1.75 dB Typ. - Measured ±0.21 dB
- Noise Figure: 3.0 dB Typ.
- OP1dB: +15 dBm Typ.
- VSWR In/Out: 2.0:1 Max.
- DC Supply: +12 to +15 VDC @ 150 mA Typ.


10.0 PMI Model No. PUB-14-30M20G-14-LCA, 30 MHz to 20.0 GHz Low Noise Amplifier
PMI Model No. PUB-14-30M20G-14-LCA is a Low Noise Amplifier operating over the frequency range of 30 MHz to 20.0 GHz. It has a typical noise figure of 3 dB and a typical gain of 14 dB. It is supplied with SMA female connectors in a housing measuring 1.08" x 0.71" x 0.29".

- Frequency Range: 30 MHz to 20.0 GHz
- Gain: +14 dB Typ.
- Gain Flatness: ±2.5 dB Typ. - Measured ±1.23 dB
- VSWR In/Out: 2.0:1 Max. - Measured 1.6:1
- Noise Figure: 3.0 dB Typ.
- OP1dB: +14 dBm Typ.
- DC Voltage Supply: +12 VDC
- DC Current Draw: 75 mA Typ. - Measured 69 mA

**PMI Website Link,**
https://www.pmi-rf.com/product-details/pub-14-30m20g-14-lca

**11.0 PMI Model No. PUB-14-500M20G-14-LCA, 0.5 to 20.0 GHz Low Noise Amplifier**

PMI Model No. PUB-14-500M20G-14-LCA is a Low Noise Amplifier that operates over the frequency range of 0.5 to 20.0 GHz. It has a typical noise figure of 3 dB and a typical gain of 14 dB. It is supplied in a housing measuring 1.08" x 0.71" x 0.29" and has SMA female connectors.

- Frequency Range: 0.5 to 20.0 GHz
- Gain: +14 dB Typ.
- Gain Flatness: ±1.75 dB Typ. - Measured ±0.78 dB
- VSWR In/Out: 2.0:1 Max.
- Noise Figure: 3.0 dB Typ.
- OP1dB: +12 dBm Min., +14 dBm Typ.
- DC Voltage Supply: +12 to +15 VDC
- DC Current Draw: 75 mA Typ.

**PMI Website Link,**
https://www.pmi-rf.com/product-details/pub-14-500m20g-14-lca

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