PMI Model No. PEC-150M6G-17LM-SFF is a Limiting Amplifier that operates over the 0.15 to 6.1 GHz frequency range. It has a maximum output power of +21 dBm and a maximum VSWR of 2.2:1. This model is outfitted with SMA female connectors in a housing measuring 1.91” x 0.70” x 0.36”.

- Frequency Range: 0.15 to 6.1 GHz
- RF Input Power Range (Limiting): -12 to +16 dBm
- Max Input Power (Survival): +22 dBm
- Harmonics:
  - 2nd: -10 dBc Max. - Measured -12.61 dBc
  - 3rd: -8 dBc Max. - Measured -8.87 dBc
  - (Within Limiting Range)
- Noise Figure:
  - <6 dB Above 1.0 GHz - Measured 4.97 dB
2.0 PMI Model No. PEC3-40-1D6G2D7G-15LM-SFF, 1.6 to 2.7 GHz, Limiting Amplifier

PMI Model No. PEC3-40-1D6G2D7G-15LM-SFF is a 1.6 to 2.7 GHz, Limiting Amplifier. It has a maximum insertion loss of 5.5 dB and a minimum gain of 35 dB. The housing is measured at 1.91" x 0.78" x 0.36" and has SMA female connectors.

- Frequency Range: 1.6 to 2.7 GHz
- Noise Figure: 5.5 dB Max. @ +25°C - Measured 4.29 dB
- Gain: 35 dB Min. - Measured 42.37 dB
- Gain Flatness: ±2.0 dB Max. (Over any 1.0 GHz)
- VSWR: 2.0:1 Max. - Measured 1.22:1/1.28:1
- Saturated Power Output: +15 dBm (±2 dB)
- Input Power Range:
  - -25 to +5 dBm (Minimum Range)
  - -30 to +5 dBm (Goal)
- Saturated Power Flatness: ±1.5 dB Max. - Measured ±0.80 dB
- Harmonic Content: -15 dBm Min., -18 dBm Goal
- Reverse Isolation: 50 dB Min. - Measured 81.15 dB
- Pulse Response:
  - Overshoot: 0.4 dB Max.
  - Settling Time: 15 ns Max.
  - Recovery Time: 50 ns Max.
- Maximum Input (No Damage): +25 dBm CW
- DC Voltage: +12 to +15 V
- DC Current: 400 mA Max. - Measured 245 mA

3.0 PMI Model No. PEC-85-0R32R5-15LM-12-SFF, 0.3 to 2.5 GHz, Limiting Amplifier

PMI Model No. PEC-85-0R32R5-15LM-12-SFF is a Limiting Amplifier that operates over the 0.3 to 2.5 GHz frequency range. It has a typical gain of 85 dB and a typical noise figure of 5 dB. This model is outfitted with SMA female connectors in a housing measuring 5.00" x 1.50" x 0.51".

- Frequency Range: 0.3 to 2.5 GHz
- Gain: 85 dB Typ.
- Limited RF Output: +15 dBm, ±2.5 dBm
- Noise Figure: 5 dB Typ.
- VSWR In/Out: 2.0:1 Max.
- Survival Input Power: +15 dBm CW Max.
- Operating Input Power: +10 dBm CW Max.
4.0 PMI Model No. PEC2-2G18G-80DB-21DBM-LM-SFF, 2.0 to 18.0 GHz, Limiting Amplifier

PMI Model No. PEC2-2G18G-80DB-21DBM-LM-SFF is a Limiting Amplifier that operates over the 2.0 to 18.0 GHz frequency range. It has a maximum RF input power of +17 dBm CW and a maximum VSWR of 2.0:1. This model is outfitted with SMA female connectors in a housing measuring 2.98" x 0.78" x 0.26".

- Frequency Range: 2.0 to 18.0 GHz
- Input Power: -55 to +10 dBm CW Typ.
- Saturated Output Power: +21 to +25 dBm Nominal
- Output Power Variation: ±2.0 dBm Max. Over Operating Temperature Range - Measured ±0.48 dBm Max.
- OP1dB: 4 dBm Below Psat Typ.
- 2nd Harmonic Rejection: -8 dBc @ Psat
- 3rd Harmonic Rejection: -9 dBc @ Psat
- 3rd Order Intercept Point: 35 dBm - Design Goal
- VSWR Input/Output: 2.0:1 Max. - Measured 1.69:1
- Maximum RF Input Power: +17 dBm CW
- DC Voltage Supply: +15 VDC
- DC Current Draw: 700 mA Max. - Measured 472 mA

5.0 PMI Model No. PEC2-50M2500M-2DBM-LM-SFF, 50 MHz to 2.5 GHz, Limiting Amplifier

PMI Model No. PEC2-50M2500M-2DBM-LM-SFF is a 50 MHz to 2.5 GHz, Limiting Amplifier. It has a maximum typical noise figure of 10 dB and a maximum VSWR of 2.0:1. It has SMA female connectors in a housing measured at 2.98" x 0.78" x 0.10".

- Frequency Range: 50 MHz to 2.5 GHz
- Input Power: -50 to +30 dBm CW
- Output Power: +2.0 dBm Nominal ± 3.5 dB (Over Input Power Range)
- Noise Figure: 10 dB Typ. Above 500 MHz
- Spurious Rejection: -60 dBc Typ.
- Harmonic Rejection: -10 dBc Typ.
- VSWR In/Out: 2.0:1 Max.
- DC Voltage Supply: +12 to +15 VDC
- DC Current Draw: 460 mA Nominal


Amplifier

PMI Model No. PEC3-40-2G6G-15LM-SFF-HS is a Limiting Amplifier that operates over the 1.85 to 6.25 GHz frequency range. It has a maximum noise figure of 6.0 dB and a minimum gain of 35 dB. This model is outfitted with SMA female connectors in a housing measuring 1.91" x 0.78" x 0.36".

- Frequency Range: 1.85 to 6.25 GHz
- Noise Figure:
  - 5.5 dB Max. @ +25°C - Measured 4.09 dB
  - 6.0 dB Max. @ +85°C - Measured 4.40 dB
- Gain: 35 dB Min. - Measured 41.17 dB
- Gain Variation Over Temperature: ±4.0 dB Max. (-55°C to +85°C) - Measured ±0.2 dB
- Gain Flatness (At Any Operating Temperature):
  - ±2.5 dB Max. (Full Range) - Measured ±0.35 dB
  - ±2.0 dB Max. (Over Any 500 MHz) - Measured ±0.1 dB
- VSWR In/Out: 2.0:1 Max. - Measured 1.58:1
- Saturated Power Output: +15 dBm Min. - Measured +17.17 dBm
- Input Power Range: -15 to +17 dBm
- Saturated Power Flatness:
  - ±1.5 dB Max. (At Any Operating Temperature) - Measured ±0.75 dB
  - ±0.5 dB Max. (Over Any 500 MHz) - Measured ±0.25 dB
- Saturated Power Variation Over Temperature: ±1.25 dB Max. (At Any Single Frequency) - Measured ±0.815 dB
- Harmonic Content: -15 dBc Min.
- Reverse Isolation: 50 dB Min. - Measured 64.37 dB
- Pulse Response:
  - Overshoot: 0.2 dB Max.
  - Settling Time: 10 ns Max.
  - Recovery Time: 50 ns Max. - Measured 10 ns
- Maximum Input (No Damage):
  - +20 dBm CW Max.
  - +30 dBm, 0.005 Duty Cycle, 1 usec
- DC Voltage: +10.8 to +13.2 V
- DC Current: 350 mA Max. - Measured 210 mA

PMI Website Link,
https://www.pmi-rf.com/product-details/pec3-40-2g6g-15lm-sff-hs

7.0 PMI Model No. PEC2-3D1G3D5G-60-10DBM-LM-SFF, 3.1 to 3.5 GHz, Limiting Amplifier

PMI Model No. PEC2-3D1G3D5G-60-10DBM-LM-SFF is an Integrated RF Module that operates over the 3.1 to 3.5 GHz frequency range. It has a typical noise figure of 8 dB and a maximum VSWR of 2.0:1. This model is outfitted with SMA female connectors in a housing measuring 2.98" x 0.78" x 0.26".

- Frequency Range: 3.1 to 3.5 GHz
- Input Power: -61 to +30 dBm CW Min.
- Output Power:
  - +8.0 dBm Min., +11.0 dBm Max.
  - ±1.0 dB (Over Input Power Range)
- Noise Figure: 8 dB Typ. - Measured 7.4 dB
Spurious Rejection: -60 dBc Typ.
Harmonic Rejection: -10 dBc Typ.
VSWR In/Out: 2.0:1 Max. - Measured 1.1:1/1.2:1
DC Voltage Supply: +12 to +15 VDC
DC Current Draw: 460 mA Typ.

PMI Website Link,
https://www.pmi-rf.com/product-details/pec2-3d1g3d5g-60-10dbm-lm-sff

8.0 PMI Model No. PEC2-1G12G-60-21DBM-LM-PP, 1.0 to 12.0 GHz, Limiting Amplifier

PMI Model No. PEC2-1G12G-60-21DBM-LM-PP is an Integrated RF Module that operates over the 1.0 to 12.0 GHz frequency range. It has a typical noise figure of 8 dB and a maximum VSWR of 2.0:1. This model is outfitted with D 0.015 mm pins in a housing measuring 2.98" x 0.78" x 0.26".

- Frequency Range: 1.0 to 12.0 GHz
- Input Power: -61 to +15 dBm
- Output Power:
  - 21 dBm Min. - Measured 26.76 dBm Max., +23.49 dBm Min.
  - ±2.0 dB (Over Input Power Range) Nominal - Measured ±1.63 dB
- Noise Figure: 8 dB Typ.
- Spurious Rejection: -60 dBc Typ.
- Harmonic Rejection: -10 dBc Typ.
- VSWR In/Out: 2.0:1 Max. - Measured 1.72:1/1.35:1
- DC Voltage Supply: +12 to +15 VDC
- DC Current Draw: 560 mA Typ.

PMI Website Link,
https://www.pmi-rf.com/product-details/pec2-1g12g-60-21dbm-lm-pp

9.0 PMI Model No. PEC2-2G18G-2DBM-LM-SFF, 2.0 to 18.0 GHz, Limiting Amplifier

PMI Model No. PEC2-2G18G-2DBM-LM-SFF is a 2.0 to 18.0 GHz, Integrated RF Module. It has a maximum noise figure of 10 dB and a maximum VSWR of 2.0:1. The housing is outfitted with SMA female connectors and is measured at 2.98" x 0.78" x 0.26".

- Frequency Range: 2.0 to 18.0 GHz
- Input Power: -50 to +30 dBm CW
- Output Power: +2.0 dBm Nominal ± 2.0 dB (Over Input Power Range)
- Noise Figure: 10 dB Max. - Measured 9.7 dB
- Spurious Rejection: -60 dBc Typ.
- Harmonic Rejection: -10 dB Typ.
- VSWR In/Out: 2.0:1 Max. - Measured 1.89:1/1.74:1
- DC Voltage Supply: +12 to +15 VDC
- DC Current Draw: 550 mA Max. - Measured 405 mA

PMI Website Link,
https://www.pmi-rf.com/product-details/pec2-2g18g-2dbm-lm-sff
10.0 PMI Model No. PEC2-1G18G-60-9DBM-LM-SFF, 1.0 to 18.0 GHz, Limiting Amplifier

PMI Model No. PEC2-1G18G-60-9DBM-LM-SFF is a 1.0 to 18.0 GHz, Integrated RF Module. It has a typical noise figure of 8 dB and a maximum VSWR of 2.0:1. The housing is measured at 2.98" x 0.78" x 0.26" and has SMA female connectors.

- Frequency Range: 1.0 to 18.0 GHz
- Input Power: -61 to +30 dBm CW
- Output Power:
  - +7.0 dBm Min., +11.0 dBm Max.
  - ±2.0 dB (Over Input Power Range)
- Noise Figure: 8 dB Typ. - Measured 4.7 dB
- Spurious Rejection: -60 dBc Typ.
- Harmonic Rejection: -10 dBc Typ.
- VSWR In/Out: 2.0:1 Max. - Measured 1.91:1
- DC Voltage Supply: +12 to +15 VDC
- DC Current Draw: 460 mA Typ. - Measured 404 mA

PMI Website Link, https://www.pmi-rf.com/product-details/pec2-1g18g-60-9dbm-lm-sff

11.0 PMI Model No. PEC2-2G18G-21DBM-LM-SFF, 2.0 to 18.0 GHz, Limiting Amplifier

PMI Model No. PEC2-2G18G-21DBM-LM-SFF is a 2.0 to 18.0 GHz, Limiting Amplifier. It has a maximum noise figure of 5 dB and a maximum VSWR of 2.0:1. The housing is measured at 2.98" x 0.78" x 0.26" and has SMA female connectors.

- Frequency Range: 2.0 to 18.0 GHz
- Input Power: -45 to +10 dBm CW
- Saturated Output Power: +21 to +25 dBm Nominal
- Output Power Variation: ±2.0 dBm Max. Over Operating Temperature Range
- OP1dB: 4 dBm Below Psat Typ.
- 2nd Harmonic Rejection: -8 dBc @ Psat
- 3rd Harmonic Rejection: -9 dBc @ Psat
- 3rd Order Intercept Point: 35 dBm - Design Goal
- Noise Figure: 5 dB Max. - Measured 4.26 dB
- VSWR In/Out: 2.0:1 Max. - Measured 1.49:1/1.90:1
- Maximum RF Input Power: +17 dBm CW
- DC Voltage Supply: +15 VDC
- DC Current Draw: 700 mA Max. - Measured 567 mA

PMI Website Link, https://www.pmi-rf.com/product-details/pec2-2g18g-21dbm-lm-sff

12.0 PMI Model No. LM-10M50G-18DBM-4W-24FF, 10 MHz to 50.0 GHz, Limiter
PMI Model No. LM-10M50G-18DBM-4W-24FF is a 10 MHz to 50.0 GHz, Limiter. It has a maximum insertion loss of 3.4 dB and a typical recovery time of 100 ns. The housing is outfitted with 2.4 female connectors and is measured at 0.53" x 0.70" x 0.26".

- Frequency Range: 10 MHz to 50.0 GHz
- Power Handling: 4 W CW Max.
- Peak Input Power:
  - 20 W Max.
  - (Pw 1 us, 1% Duty Cycle) Tested up to 18.0 GHz
  - (Pw 10 us, 1% Duty Cycle) Tested up to 8.0 GHz
  - 16 W Max. @ 18.0 GHz (Pw 10 us, 1% Duty Cycle)
- Recovery Time: 100 ns Typ. - Measured 92 ns
- Insertion Loss @ -10 dBm Input Power:
  - 10 MHz to 18.0 GHz: 1.5 dB Max. - Measured 1.29 dB
  - 18.0 to 40.0 GHz: 2.2 dB Max. - Measured 1.83 dB
  - 40.0 to 50.0 GHz: 3.4 dB Max. - Measured 3.07 dB
- VSWR In/Out @ -10 dBm Input Power: 2.0:1 Max. - Measured 1.94:1/1.92:1
- Flat Leakage Power: +18 dBm Typ.
- P1dB: +15 dBm Typ.

PMI Website Link, https://www.pmi-rf.com/product-details/lm-10m50g-18dm-4w-24ff

13.0 PMI Model No. LM-26G40G-14-20W-292FF Rev. B, 26.5 to 40.0 GHz, Limiter

PMI Model No. LM-26G40G-14-20W-292FF Rev. B is a Limiter that operates over the 26.5 to 40.0 GHz frequency range. It has a maximum insertion loss of 4 dB and a VSWR of 2.0:1. The unit is supplied in a housing measuring 0.50" x 0.50" x 0.22" and has 2.92 mm female connectors.

- Frequency Range: 26.5 to 40.0 GHz
- Insertion Loss: 4 dB Max. - Measured 2.96 dB
- Peak Power: 20 W (43 dBm)
- Pulse Width: 440 to 670 ns
- PRF: 600 to 900 kHz
- Duty Cycle: 40%
- Leakage Power: +14 dBm Typ.
- 1 dB Recovery Time: 250 ns Max. - Measured <100 ns
- VSWR: 2.0:1 - Measured 1.92:1

PMI Website Link, https://www.pmi-rf.com/product-details/lm-26g40g-14-20w-292ff-rev-b

14.0 PMI Model No. LM-26G40G-14-20W-292FM, 26.5 to 40.0 GHz, Limiter
PMI Model No. LM-26G40G-14-20W-292FM is a 26.5 to 40.0 GHz, Limiter. It has a maximum insertion loss of 4 dB and a VSWR of 2.0:1. The housing is measured at 0.50" x 0.50" x 0.22" and has 2.92 mm female connectors.

- Frequency Range: 26.5 to 40.0 GHz
- Insertion Loss: 4 dB Max. - Measured 2.96 dB
- Peak Power: 20 W (43 dBm)
- Pulse Width: 440 to 670 ns
- PRF: 600 to 900 kHz
- Duty Cycle: 40%
- Leakage Power: +14 dBm Typ.
- 1 dB Recovery Time: 250 ns Max. - Measured <100 ns
- VSWR: 2.0:1 - Measured 1.92:1

PMI Website Link,
https://www.pmi-rf.com/product-details/lm-26g40g-14-20w-292fm

15.0 PMI Model No. LM-26G40G-14-20W-292FF, 26.0 to 40.0 GHz, Limiter

PMI Model No. LM-26G40G-14-20W-292FF is a 26.0 to 40.0 GHz, Limiter. It has a maximum insertion loss of 4 dB and a VSWR of 2.0:1. It has 2.92 mm female connectors in a housing measured at 0.50" x 0.50" x 0.22".

- Frequency Range: 26.5 to 40.0 GHz
- Insertion Loss: 4 dB Max. - Measured 3.4 dB
- Peak Power: 20 W (43 dBm)
- Pulse Width: 440 to 670 ns
- PRF: 600 to 900 kHz
- Duty Cycle: 40%
- Leakage Power: +14 dBm Typ.
- 1 dB Recovery Time: 250 ns Max. - Measured 50 ns
- VSWR: 2.0:1 - Measured 1.67:1

PMI Website Link,
https://www.pmi-rf.com/product-details/lm-26g40g-14-20w-292ff

16.0 PMI Model No. LM-26G40G-14-20W-292MM, 26.5 to 40.0 GHz, Limiter

PMI Model No. LM-26G40G-14-20W-292MM is a 26.5 to 40.0 GHz, Limiter. It has a maximum insertion loss of 4 dB and a VSWR of 2.0:1. It has 2.92 mm male connectors in a housing measured at 0.50" x 0.50" x 0.22".

- Frequency Range: 26.5 to 40.0 GHz
- Insertion Loss: 4 dB Max. - Measured 2.96 dB
- Peak Power: 20 W (43 dBm)
- Pulse Width: 440 to 670 ns
- PRF: 600 to 900 kHz
- Duty Cycle: 40%
- Leakage Power: +14 dBm Typ.
- 1 dB Recovery Time: 250 ns Max. - Measured <100 ns
- VSWR: 2.0:1 - Measured 1.92:1
17.0 PMI Model No. LM-18G40G-SMT-1, 18.0 to 40.0 GHz, Limiter

PMI Model No. LM-18G40G-SMT-1 is a 18.0 to 40.0 GHz, Limiter. It has a maximum insertion loss of 4 dB and an input power of 2 W. It is supplied in a housing measured at 0.270" x 0.198" x 0.016".

- Frequency Range: 18.0 to 40.0 GHz
- Insertion Loss: 4 dB Max. - Measured 2.94 dB
- Peak Power: 20 W (43 dBm)
- Input Power: 2 W
- Pulse Width: 440 to 670 ns
- PRF: 600 to 900 kHz
- Duty Cycle: 40%
- Leakage Power: +14 dBm Typ.
- 1 dB Recovery Time: 250 ns Max.
- VSWR: 2.0:1 - Measured 1.85:1/1.87:1

PMI Website Link,
https://www.pmi-rf.com/product-details/lm-18g40g-smt-1

18.0 PMI Model No. LM-18G40G-18-1W-292FF, 18.0 to 40.0 GHz, Limiter

PMI Model No. LM-18G40G-18-1W-292FF is a 18.0 to 40.0 GHz, Limiter. It has a maximum insertion loss of 4 dB and a VSWR of 2.1:1. It has 2.92 mm female connectors in a housing measured at 0.50" x 0.50" x 0.22".

- Frequency Range: 18.0 to 40.0 GHz
- Insertion Loss: 4 dB Max. - Measured 3.51 dB
- Input Power: 1 W CW Max.
- VSWR: 2.1:1 - Measured 1.87:1
- Leakage Power: +18 dBm Max. - Measured +12 dBm
- Limiting Threshold: +9 dBm Max. - Measured +5 dBm
- Recovery Time: 10 ns Max.

PMI Website Link,
https://www.pmi-rf.com/product-details/lm-18g40g-18-1w-292ff-

19.0 PMI Model No. LM-32G36G-14-20W-SMT, 32.0 to 36.0 GHz, Limiter

PMI Model No. LM-32G36G-14-20W-SMT is a 32.0 to 36.0 GHz, Limiter. It has a maximum insertion loss of 2 dB and a peak power of 20 W. It is supplied in a housing measured at 0.270" x 0.198" x 0.016".

- Frequency Range: 32.0 to 36.0 GHz
- Insertion Loss: 2 dB Max. - Measured 1.61 dB
- Peak Power: 20 W
- Pulse Width: 30 us
- Duty Cycle: 30%
- Leakage Power: +14 dBm Typ.
- 1 dB Recovery Time: 250 ns Max. - Measured 100 ns
20.0 PMI Model No. LM-35D5G-14-20W-292FF, 35.5 GHz ± 0.5 GHz, Limiter

PMI Model No. LM-35D5G-14-20W-292FF is a 35.0 to 36.0 GHz, Limiter. It has a maximum insertion loss of 3 dB and a peak power of 20 W. It has 2.92 mm female connectors in a housing measured at 0.50" x 0.50" x 0.22".

- Frequency Range: 35.5 GHz ± 0.5 GHz
- Insertion Loss: 2 dB Typ., 3 dB Max.
- Peak Power: 20 W (43 dBm)
- Pulse Width: 440 to 670 ns
- PRF: 600 to 900 kHz
- Duty Cycle: 40%
- Leakage Power: +14 dBm Typ.
- 1 dB Recovery Time: 100 ns Typ., 250 ns Max.

PMI Website Link,
https://www.pmi-rf.com/product-details/lm-35d5g-14-20w-292ff

21.0 PMI Model No. LM-10M35G-15DBM-4W-292FF, 10 MHz to 35.0 GHz, Limiter

PMI Model No. LM-10M35G-15DBM-4W-292FF is a 10 MHz to 35.0 GHz, Limiter. It has a maximum insertion loss of 4 dB and a typical recovery time of 150 ns. It has 2.4 mm female connectors in a housing measured at 0.53" x 0.70" x 0.26".

- Frequency Range: 10 MHz to 35.0 GHz
- Power Handling:
  - 25 W CW Max. (20 MHz)
  - 10 W CW Max. (1.0 GHz)
  - 8 W CW Max. (2.0 GHz)
  - 5 W CW Max. (4.0 GHz)
  - 4 W CW Max. (8.0 to 18.0 GHz)
- Peak Input Power:
  - 50 W Peak Max. (20 MHz to 12.0 GHz)
  - 40 W Peak Max. (18.0 GHz)
  - (1 us Pw, 1% Duty Cycle)
- Recovery Time: 150 ns Typ.
- Insertion Loss @ -10 dBm Input Power:
  - 1.3 dB Max. (10 MHz to 8.0 GHz) - Measured 1.19 dB
  - 2.3 dB Max. (8.0 to 18.0 GHz) - Measured 2.15 dB
  - 2.6 dB Max. (18.0 to 25.0 GHz) - Measured 2.35 dB
  - 4.0 dB Max. (25.0 to 35.0 GHz) - Measured 3.76 dB
- VSWR In/Out @ -10 dBm Input Power: 2.0:1 Max. - Measured 1.97:1
- Flat Leakage Power:
  - +18 dBm Typ. (20 MHz to 2.0 GHz)
  - +18 dBm Typ. (2.0 to 4.0 GHz)
  - +16 dBm Typ. (4.0 to 8.0 GHz)
  - +12 dBm Typ. (8.0 to 12.0 GHz)
  - +10 dBm Typ. (12.0 to 18.0 GHz)
22.0 PMI Model No. LM-10M40G-15DBM-4W-AGAL, 10 MHz to 40.0 GHz, Limiter

PMI Model No. LM-10M40G-15DBM-4W-AGAL is a 10 MHz to 40.0 GHz, Limiter. It has a maximum insertion loss of 3.2 dB and a maximum recovery time of 100 ns. It has 2.92 mm female connectors in a housing measured at 0.53" x 0.70" x 0.26".

- Frequency Range: 10 MHz to 40.0 GHz
- Power Handling:
  - 5 W CW Max. (20 MHz to 12.0 GHz)
  - 4 W CW Max. (18.0 GHz)
- Peak Input Power:
  - 25 W Peak Max. (20 MHz to 12.0 GHz)
  - 20 W Peak Max. (18.0 GHz)
  - (1 us Pw, 1% Duty Cycle)
- Recovery Time: 100 ns Max.
- Insertion Loss @ -10 dBm Input Power:
  - 1.0 dB Max. (10 MHz to 8.0 GHz) - Measured 0.78 dB
  - 1.5 dB Max. (8.0 to 18.0 GHz) - Measured 1.42 dB
  - 3.2 dB Max. (18.0 to 40.0 GHz) - Measured 3.13 dB
- VSWR In/Out @ -10 dBm Input Power: 2.0:1 Max. - Measured 1.82:1/1.81:1
- Flat Leakage Power:
  - +22 dBm Max. (20 MHz to 1.0 GHz) - Measured 21.27 dBm
  - +20 dBm Max. (1.0 to 4.0 GHz) - Measured 19.21 dBm
  - +18 dBm Max. (4.0 to 8.0 GHz) - Measured 17.13 dBm
  - +15 dBm Max. (8.0 to 12.0 GHz) - Measured 14.20 dBm
  - +13 dBm Max. (12.0 to 18.0 GHz) - Measured 11.24 dBm
  - +13 dBm Max. (20.0 to 28.0 GHz) - Measured 12.97 dBm
  - +12 dBm Max. (28.0 to 32.0 GHz) - Measured 11.79 dBm
  - +12 dBm Max. (32.0 to 40.0 GHz) - Measured 11.51 dBm
- P1dB: +7 dBm Min.

PMI Website Link,
https://www.pmi-rf.com/product-details/lm-10m40g-15dbm-4w-agal

23.0 PMI Model No. RFFD-618-730049, 6.0 to 18.0 GHz, Low Pass Filter/Schottky Based Detector
PMI Model No. RFFD-618-730049 is a 6.0 to 18.0 GHz, Low Pass Filter combined with a Schottky Based Detector. It has a return loss of -10 dB and a maximum operating input power of 7 dBm. It has a SMA male RF input connector and a SMA female video output connector in a housing measured at 1.60" x 1.59" x 0.60".

- Frequency Range: 6.0 to 18.0 GHz
- Return Loss: -10 dB (swr 2:1)
- Maximum Input Power: 7 dBm Operation
- Maximum Input Power: 20 dBm Survival with No Degradation
- Filter Rejection: 23 dB Min. (20.0 to 26.0 GHz)
- Voltage Sensitivity: 80 to 140 mV
- Barrier Potential: 225 to 270 mV with 100 uA Bias to 25°C
- Operating Dynamic Range: -23 to +7 dBm
- Frequency Flatness: ±0.8 dB with 1 dB to 2 dB Typ. Slope
- Diode Voltage Protection: 1.0 V Max. @ 30 mA
- Tracking Detector-Balance: ±20 mV Max. Over Operating Temperature

PMI Website Link,

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