



Planar Monolithics Industries, Inc.

Limiting Amplifiers, up to 20 GHz

PMI offers a variety of Limiting Amplifiers that cover narrow to multi octave bandwidths up to 20 GHz. These Amplifiers are designed for Military and Industrial applications that require a stable, limited output level. More models are available at: <https://www.pmi-rf.com/categories/limiting-amplifiers>



PEC2-50M2500M-2DBM-LM-SFF PEC-150M6G-17LM-SFF PEC-85-0R32R5-15LM-12-SFF PEC2-1G12G-60-21DBM-LM-PP
 PEC-100M20D1G-20LM-SFF PEC-100M16G-17LM-SFF

- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVAs, ERLVAs & SDLVAs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
- Miscellaneous Products
- Monopulse Comparators
- Multifunction Integrated Assemblies (IMAs)
- Phase Shifters & Bi-Phase Modulators
- Power Dividers/Combiners (Passive & Active)
- Pulse Modulators - SPST
- Rack & Chassis Mount Products
- Receiver Front Ends & Transceivers
- Single Side Band Modulators
- SMT & QFN Products
- Switch Matrices
- Switch Filter Banks
- Switches - Solid-State
- Systems - Radar Sense & Avoid
- Systems - Fly Eye Radar
- Threshold Detectors
- USB Products

PMI Model No.	Freq Range (GHz)	Noise Figure (dB)	Input Power (dBm)	Output Power (dBm)	Output Power Flatness (dB)	Size (Inches) / Connectors
PEC2-50M2500M-2DBM-LM-SFF https://www.pmi-rf.com/product-details/pec2-50m2500m-2dbm-lm-sff	50 MHz - 2.5	10 dB Typ above 500 MHz	-50 to +30	+2 Nom	±3.5	2.98" x 0.78" x 0.26" SMA (F)
PEC-100M16G-17LM-SFF https://www.pmi-rf.com/product-details/pec-100m16g-17lm-sff	100 MHz - 16	< 6 dB Above 1 GHz, < 9 dB Below 1 GHz	-12 to +16	+16 Min, +21 Max	±2.0 Max	1.91" x 0.70" x 0.36" SMA (F)
PEC-100M20D1G-20LM-SFF https://www.pmi-rf.com/product-details/pec-100m20d1g-20lm-sff	100 MHz - 20.1	< 6 dB Above 1 GHz, < 9 dB Below 1 GHz	-12 to +16	+19 Min, +24 Max	±2.5 Max	1.91" x 0.70" x 0.36" SMA (F)
PEC-150M6G-17LM-SFF https://www.pmi-rf.com/product-details/pec-150m6g-17lm-sff	150 MHz - 6.1	< 6 dB Above 1 GHz, < 9 dB Below 1 GHz	-12 to +16	+16 Min, +21 Max	±2.0 Max	1.91" x 0.70" x 0.36" SMA (F)
PEC-85-0R32R5-15LM-12-SFF https://www.pmi-rf.com/product-details/pec-85-0r32r5-15lm-12-sff	300 MHz - 2.5	5.0 dB Typ	-65 to +10	+15	± 2.5	5.0" x 1.5" x 0.51" SMA (F)
PEC2-1G12G-60-21DBM-LM-PP https://www.pmi-rf.com/product-details/pec2-1g12g-60-21dbm-lm-pp	1 - 12	8 dB Typ	-61 to +15	21 Min	±2.0 Nom	2.98" x 0.78" x 0.26" RF PIN / PIN
PEC2-1G18G-60-9DBM-LM-SFF https://www.pmi-rf.com/product-details/pec2-1g18g-60-9dbm-lm-sff	1 - 18	8 dB Typ	-61 to +30	+7 to +11 Max	±2.0	2.98" x 0.78" x 0.26" SMA (F)
PEC3-40-1D6G2D7G-15LM-SFF https://www.pmi-rf.com/product-details/pec3-40-1d6g2d7g-15lm-sff	1.6 - 2.7	5.5 dB Max	-25 to +5 Min, -30 to +5 Typ	+15 Min	±1.5	1.91" x 0.78" x 0.36" SMA (F)
PEC3-40-2G6G-15LM-SFF-HS https://www.pmi-rf.com/product-details/pec3-40-2g6g-15lm-sff-hs	1.85 - 6.25	5.5 dB Max	-15 to +17	+15 Min	±1.5 Max	1.91" x 0.78" x 0.36" SMA (F)
PEC2-2G18G-80DB-21DBM-LM-SFF https://www.pmi-rf.com/product-details/pec2-2g18g-80db-21dbm-lm-sff	2 - 18	10 dB Max	-55 to +10	+21 to +25 Nom	±2.0	2.98" x 0.78" x 0.26" SMA (F)
PEC2-2G18G-2DBM-LM-SFF https://www.pmi-rf.com/product-details/pec2-2g18g-2dbm-lm-sff	2 - 18	10 dB Max	-50 to +30	+2 Nom	±2.0 Max	2.98" x 0.78" x 0.26" SMA (F)
PEC2-2G18G-21DBM-LM-SFF https://www.pmi-rf.com/product-details/pec2-2g18g-21dbm-lm-sff	2 - 18	5 dB Max	-45 to +10	+21 to +25 Nom	±2.0 Max	2.98" x 0.78" x 0.26" SMA (F)
PEC2-3D1G3D5G-60-10DBM-LM-SFF https://www.pmi-rf.com/product-details/pec2-3d1g3d5g-60-10dbm-lm-sff	3.1 - 3.5	8.0 dB Typ	-61 to +30 Min	+8 Min, +11 Max	±1.0 Typ	2.98" x 0.78" x 0.26" SMA (F)



PEC3-40-1D6G2D7G-15LM-SFF
PEC3-40-2G6G-15LM-SFF-HS



PEC2-1G18G-60-9DBM-LM-SFF
PEC2-2G18G-80DB-21DBM-LM-SFF
PEC2-2G18G-2DBM-LM-SFF



PEC2-2G18G-21DBM-LM-SFF
PEC2-3D1G3D5G-60-10DBM-LM-SFF

West Coast Operation:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 USA
Tel: 916-542-1401, Fax: 916-265-2597

East Coast Operation:
7311-F Grove Road
Frederick, MD 21704 USA
Tel: 301-662-5019, Fax: 301-662-1731

sales@pmi-rf.com • www.pmi-rf.com
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