



Planar Monolithics Industries, Inc.

New 5G & mmWave Products up to 62 GHz

PMI has expanded their product offering with a variety of New Low Noise Amplifiers, Solid State Switches, Attenuators and Limiters that operate up to 62 GHz for 5G and mmWave defense applications.



PEC-30-0R5G50G-22-12-24FF



DTA-100M50G-30-CD-1



CONNECTORIZED OR SURFACE MOUNT
LM-10M50G-18DBM-4W-24FF
LM-10M62G-20DBM-1W-24FF



P2T-100M50G-100-T
P2T-100M52G-100-T
P2T-100M56G-100-T



P4T-100M50G-100-T-RD
P4T-100M52G-100-T-RD
P4T-100M53G-100-T-RD

- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- 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

Ultra Broadband Low Noise Amplifiers (<https://www.pmi-rf.com/categories/ultra-broad-band-lna-s>)

PMI Model No.	Frequency Range (GHz)	Gain (dB Typ)	Gain Flatness (dB Typ)	Noise Figure (dB Max)	OP1dB (dBm Typ)	Size (Inches) / Connectors
PEC-30-0R5G50G-22-12-24FF https://www.pmi-rf.com/product-details/pec-30-0r5g50g-22-12-24ff	0.5 - 50	30	±2.5	9	+23	1.37" x 1.0" x 0.6" 2.4mm (F)

Digitally Controlled Attenuators (<https://www.pmi-rf.com/categories/digitally-controlled-attenuators>)

PMI Model No.	Frequency Range (GHz)	Attenuation (dB) Range	Flatness	Accuracy	Insertion Loss (dB Typ)	Control Size (Inches) / Connectors
DTA-100M50G-30-CD-1 https://www.pmi-rf.com/product-details/dta-100m50g-30-cd-1	0.1 - 50	30	10 dB: ±0.95 20 dB: ±1.47 30 dB: ±2.13	±3.5 Typ	5.0 @ 20 GHz 8.0 @ 40 GHz 10.0 @ 50 GHz	5-BIT TTL 2.0" x 1.8" x 0.5" 2.4mm (F)

Limiters (<https://www.pmi-rf.com/categories/limiters>)

PMI Model No.	Frequency Range (GHz)	Insertion Loss (dB Max)	Maximum Input Power	Leakage Power (dBm Typ)	Recovery Time	Size (Inches) / Connectors
LM-10M50G-18DBM-4W-24FF https://www.pmi-rf.com/product-details/lm-10m50g-18dbm-4w-24ff	10 MHz - 50	1.2	4 W CW	+18	100 ns	0.9" x 0.38" x 0.38" 2.4mm (F) Removable
LM-10M62G-20DBM-1W-24FF https://www.pmi-rf.com/product-details/lm-10m62g-20dbm-1w-24ff	10 MHz - 62	4.0		+22		

Solid-State Switches (<https://www.pmi-rf.com/categories/switches>)

PMI Model No.	Frequency Range (GHz)	Insertion Loss (dB Typ)	Isolation (dB Typ)	Switching Speed (Typ)	Power Supply	Configuration Size (Inches) Connectors
P2T-100M50G-100-T https://www.pmi-rf.com/product-details/p2t-100m50g-100-t	0.1 - 50	6	100	50 ns	+5 V @ 100 mA -5 V @ 100 mA	SP2T, Absorptive 1.0" x 0.75" x 0.4" 2.4mm (F)
P2T-100M52G-100-T https://www.pmi-rf.com/product-details/p2t-100m52g-100-t	0.1 - 52					
P2T-100M56G-100-T https://www.pmi-rf.com/product-details/p2t-100m56g-100-t	0.1 - 56					
P4T-100M50G-100-T-RD https://www.pmi-rf.com/product-details/p4t-100m50g-100-t-rd	0.1 - 50	7	100	50 ns	+5 V @ 154 mA -5 V @ 135 mA	SP4T, Absorptive 1.25" x 1.25" x 0.4" 2.4mm (F)
P4T-100M52G-100-T-RD https://www.pmi-rf.com/product-details/p4t-100m52g-100-r-rd	0.1 - 52					
P4T-100M53G-100-T-RD https://www.pmi-rf.com/product-details/p4t-100m53g-100-t-rd	0.1 - 53					
P8T-100M50G-90-T-RD https://www.pmi-rf.com/product-details/p8t-100m50g-90-t-rd	0.1 - 50	9	90	50 ns	+5 V @ 400 mA -5 V @ 300 mA	SP8T, Absorptive 1.6" x 1.68" x 0.4" 2.4mm (F)
P8T-100M54G-90-T-RD https://www.pmi-rf.com/product-details/p8t-100m54g-90-t-rd	0.1 - 54					
P16T-100M50G-100-T-DEC https://www.pmi-rf.com/product-details/p16t-100m50g-100-t-dec	0.1 - 50	12.5	100	100 ns	+5 V @ 700 mA -5 V @ 680 mA	SP16T, Absorptive 8.0" x 3.0" x 0.67" 2.4mm (F)
P16T-100M52G-100-T-DEC https://www.pmi-rf.com/product-details/p16t-100m52g-100-t-dec	0.1 - 52					



P8T-100M50G-90-T-RD



P8T-100M54G-90-T-RD



P16T-100M50G-100-T-DEC



P16T-100M52G-100-T-DEC

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