



# Planar Monolithics Industries, Inc.

## Broadband Digital & Analog Controlled Attenuators

PMI offers the highest quality digitally and analog controlled attenuators for industrial and military applications. Choice of attenuation ranges up to 100 dB with resolution as low as 0.015 dB and operating frequency ranges up to 40 GHz. More available at: <https://www.pmi-rf.com/categories/attenuators>



DTA-30M6G-60-CD-1    DTA-100M40G-30-CD-1    DTA-200M18G-100-CD-EXT    DTA-1G18G-60-7-CD-1-HERM    DTA-2G18G-60-12-CD-1-20DBM-TS

PMI Model No.	Frequency Range (GHz)	Attenuation Range (dB)	Attenuation Flatness (dB)	Switching Time (Max)	Insertion Loss (dB)	Control / Size (Inches) / Connectors
<b>Digitally Controlled Attenuators (<a href="https://www.pmi-rf.com/categories/digitally-controlled-attenuators">https://www.pmi-rf.com/categories/digitally-controlled-attenuators</a>)</b>						
<b>DTA-30M6G-60-CD-1</b> <a href="https://www.pmi-rf.com/product-details/dta-30m6g-60-cd-1">https://www.pmi-rf.com/product-details/dta-30m6g-60-cd-1</a>	30 MHz - 6	60	10 dB: ±1.0 20 dB: ±1.5 40 dB: ±3.0 60 dB: ±5.0	50 µs	4 dB Max	8-BIT TTL 2.0" x 1.8" x 0.5" SMA (F)
<b>DTA-100M40G-30-CD-1</b> <a href="https://www.pmi-rf.com/product-details/dta-100m40g-30-cd-1">https://www.pmi-rf.com/product-details/dta-100m40g-30-cd-1</a>	0.1 - 40	30	10 dB: ±0.95 20 dB: ±1.47 30 dB: ±2.13	On: 1 µs Off: 0.5 µs	5 dB Max to 20 GHz, 8 dB Max to 40 GHz	5-BIT TTL 2.0" x 1.8" x 0.5" 2.92mm (F)
<b>DTA-200M18G-100-CD-EXT</b> <a href="https://www.pmi-rf.com/product-details/dta-200m18g-100-cd-ext">https://www.pmi-rf.com/product-details/dta-200m18g-100-cd-ext</a>	0.2 - 18	100	20 dB: ±1.0 40 dB: ±1.25 60 dB: ±1.5 80 dB: ±2.0 100 dB: ±3.0	On: 1 µs Off: 0.5 µs	12 dB Max	8-BIT TTL 4.0" x 1.8" x 0.5" SMA (F)
<b>DTA-1G18G-60-7-CD-1-HERM</b> <a href="https://www.pmi-rf.com/product-details/dta-1g18g-60-7-cd-1-herm">https://www.pmi-rf.com/product-details/dta-1g18g-60-7-cd-1-herm</a>	1 - 18	60	20 dB: ±1.0 40 dB: ±1.25 60 dB: ±3.0	On: 1 µs Off: 0.5 µs	5 dB Max, 4.8 dB Typ	7-BIT TTL 2.0" x 2.79" x 0.66" SMA (F)
<b>DTA-2G18G-60-12-CD-1-20DBM-TS</b> <a href="https://www.pmi-rf.com/product-details/dta-2g18g-60-12-cd-1-20dbm-ts">https://www.pmi-rf.com/product-details/dta-2g18g-60-12-cd-1-20dbm-ts</a>	2 - 18	60	20 dB: ±1.0 40 dB: ±1.25 60 dB: ±3.0	On: 1 µs Off: 0.5 µs	4.8 dB Max	12-BIT TTL 2.0" x 1.8" x 0.5" SMA (F)
<b>DTA-18G40G-50-CD-1</b> <a href="https://www.pmi-rf.com/product-details/dta-18g40g-50-cd-1">https://www.pmi-rf.com/product-details/dta-18g40g-50-cd-1</a>	18 - 40	50	±1.5	On: 1 µs Off: 0.5 µs	8.5 dB Typ	10-BIT TTL 2.0" x 1.8" x 0.5" 2.92mm (F)
<b>Analog Controlled Attenuators (<a href="https://www.pmi-rf.com/categories/analog-controlled-attenuators">https://www.pmi-rf.com/categories/analog-controlled-attenuators</a>)</b>						
<b>PVVAN-0R4G6G-40-MP-1</b> <a href="https://www.pmi-rf.com/product-details/pvvan-0r4g6g-40-mp-1">https://www.pmi-rf.com/product-details/pvvan-0r4g6g-40-mp-1</a>	0.4 - 6	40	12 dB: ±0.23 24 dB: ±0.15 36 dB: ±0.54 40 dB: ±0.68	5 µs Typ, 10 µs	4.0 dB Max, 2.8 dB Typ	0 to +10 VDC (Linearized) 2.0" x 1.81" x 0.88" SMA (F)
<b>PVA-500M18G-60-SFF</b> <a href="https://www.pmi-rf.com/product-details/pva-500m18g-60-sff">https://www.pmi-rf.com/product-details/pva-500m18g-60-sff</a>	0.5 - 18	60	0-10 dB: ±1.0 10-20 dB: ±1.5 20-40 dB: ±2.0 40-60 dB: ±2.5	3 µs	4.5 dB Max, 0.5-12 GHz 5.8 dB Max, 12-18 GHz	10 dB / Volt 2.0" x 1.8" x 0.5" SMA (M/F)
<b>PVVAN-2040-60-MP</b> <a href="https://www.pmi-rf.com/product-details/pvvan-2040-60-mp">https://www.pmi-rf.com/product-details/pvvan-2040-60-mp</a>	2 - 4	60	10 dB: ±0.45 20 dB: ±0.80 40 dB: ±1.50 60 dB: ±1.60	500 ns	2 dB Max	10 dB / Volt 2.0" x 1.8" x 0.5" SMA (F)
<b>PVVAN-8018-60-MP</b> <a href="https://www.pmi-rf.com/product-details/pvvan-8018-60-mp">https://www.pmi-rf.com/product-details/pvvan-8018-60-mp</a>	8 - 18	60	10 dB: ±0.80 20 dB: ±1.10 40 dB: ±1.50 60 dB: ±1.60	500 ns	3.7 dB Max	10 dB / Volt 2.0" x 1.8" x 0.5" SMA (F)



DTA-18G40G-50-CD-1    PVVAN-0R4G6G-40-MP-1    PVA-500M18G-60-SFF    PVVAN-2040-60-MP    PVVAN-8018-60-MP

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**ISO9001-2015 REGISTERED**



- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVAs, ERDLVAs & 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 - SP1T
- 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