

# Digital & Analog Solid-State Attenuators





for mission-critical applications



- Designed for Industrial & Military Applications including transmission loss simulation, signal fading / handover system evaluation, and telecom network infrastructure
- Choice of attenuation ranges with resolution as low as 0.005 dB
- Voltage or Digitally Variable programmable versions available.
- Industry's best attenuation flatness vs frequency.
- Control Options available including voltage variable, TTL, USB, RS-232/RS-422
- Hermetic Sealing, Military or Aerospace Screening available.
- Form, Fit, Function & Custom Design Services



**Quantic PMI offers a full portfolio of RF & Microwave Solid State Attenuators available in high resolution, voltage variable and digital designs up to 70 GHz.**

Featured Products	 <b>PVVAN-0R4G6G-40-MP-1</b> Voltage-Controlled Pin Diode Attenuator	 <b>DVAT-0518-60-8-SK-193</b> Variable Attenuator/ Modulator	 <b>DTA-812-80-14B-SFF OPT10D27</b> Digitally Tuned Attenuator	 <b>DTA-100M50G-30-CD-1</b> Digital Programmable PIN Diode Attenuator
Frequency Range	0.4 to 6 GHz	0.5 to 18.0 GHz	8 to 12 GHz	0.1 to 50 GHz
Attenuation Range	0 to 40 dB	0 to 60, 0.25 dB steps	0 to 80 in 0.005 dB steps	0 to 30 in 1 dB steps
Attenuation Accuracy	±0.44 dB Typ	±1.0 dB @ 0 to 30 dB	±1.5 dB Max	±3.5 dB Typ
Insertion Loss	2.8 dB Typ, 4.0 dB Max	4.0 dB Max	5 dB Typ, 10 dB Max	5.0 dB Typ (to 20 GHz)
Switching Speed	5 µs Typ, 10 µs Max	5 µs Max	400 ns Max	1.0 µs Max
Control Configuration	0 to +10 VDC [Linearized]	0 to 6 VDC, 10 dB/Volt	14 Bits, +3.3 V RS-422	5-Bit TTL
Dimensions (inches)	2.00" x 1.81" x 0.88"	2.00" x 1.81" x 0.50"	4.00" x 2.25" x 0.55"	2.0" x 1.8" x 0.5"
Connectors	SMA (F)	SMA (F)	SMA (F)	2.4mm (F)



Get a complete list of our solid state attenuator models and available options, download product features and other attenuator Product technical data at [quanticpmi.com](http://quanticpmi.com)

Or contact us at **1-877-752-6271** or [sales@quanticpmi.com](mailto:sales@quanticpmi.com)