Avtech produces a unique series of fast pulsers, drivers, amplifiers, and accessories for research laboratory and production testing applications. These products are currently in use in over 54 countries.

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- **Blue Diode Research**
  - http://www.avtechpulse.com/current
- **MEMS Research**
  - http://www.avtechpulse.com/function
  - http://www.avtechpulse.com/high-voltage
- **Ground Penetrating Radar**
  - http://www.avtechpulse.com/monocycle
  - http://www.avtechpulse.com/impulse
- **100 ps Rise Times**
  - http://www.avtechpulse.com/speed
- **High Current**
  - http://www.avtechpulse.com/laser
  - http://www.avtechpulse.com/current
- **Air Bag Testing**
  - http://www.avtechpulse.com/current
- **Ultrasonic Excitation**
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  - http://www.avtechpulse.com/impulse

- **Semiconductor Switching Times (t_{RR}, t_{FR}, V_{FM}, dI/dt, etc.)**
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- **Phototriac dV/dt Testing**
  - http://www.avtechpulse.com/dvdt
- **Opto Coupler Transient Immunity Testing (CMTI)**
  - http://www.avtechpulse.com/cmti
- **UWB and Impulse Technology**
  - http://www.avtechpulse.com/impulse
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For Opto Coupler Transient Immunity Tests, 3 models, see:
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For MIL-STD-750E Method 4031.4 reverse recovery time tests (Conditions A, B, C, and D), 5 models, see:
- [http://www.avtechpulse.com/trr](http://www.avtechpulse.com/trr)

For MIL-STD-750E Method 4026.3 forward recovery time (tFR) and voltage (VFM) tests, 2 models, see:
- [http://www.avtechpulse.com/tfr](http://www.avtechpulse.com/tfr)

For MIL-STD-750-3 Method 3472.2 MOSFET tests, see:
- [http://www.avtechpulse.com/transistor](http://www.avtechpulse.com/transistor)

For MIL-PRF-19500 Switching Time Tests, 2 models, see:
- [http://www.avtechpulse.com/transistor](http://www.avtechpulse.com/transistor)

For Phototriac dV/dt Tests, 1 model, see:
- [http://www.avtechpulse.com/dvdt](http://www.avtechpulse.com/dvdt)

Avtech can provide testers for other semiconductor test requirements, such as PIN diode carrier lifetime tests, step recovery diode transition time tests, and others. Email Avtech ([info@avtechpulse.com](mailto:info@avtechpulse.com)) with your special requirement or talk with a design engineer at +1-613-686-6675!

Datasheets, test results and pricing at [www.avtechpulse.com/semiconductor](http://www.avtechpulse.com/semiconductor)

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### GENERAL-PURPOSE HIGH-VOLTAGE PULSERS

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### ULTRA-HIGH-SPEED PULSERS

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- Sine, square, or triangle, with DC offset
- Amplifier mode for arbitrary input waveforms
- GPIB / Ethernet standard, burst mode optional

AV-112 SERIES AMPLIFIERS
- Four variable-gain linear amplifiers
- 8 to 90 Watts average output power
- AV-112AH-PS: ± 200 V to 1.2 kΩ, 300 kHz
- AV-112C-PS: ± 90 V to 100 Ω, 30 kHz
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SPEED

500 ps / DIV, 5 V / DIV
Model AVP-3S A

t Ridge = 50 ps

AMPLITUDE

1000 V / DIV
400 ns / DIV
AVR-3-B

t Rise = 3.4 ns
t Fall = 1.9 ns

SPEED & AMPLITUDE

200 V / DIV
2 μs / DIV
AVRF-7A-B

Datasheets, test results and pricing at
http://www.avtechpulse.com/function
http://www.avtechpulse.com/high-voltage

PULSERS

1000 V / DIV
400 ns / DIV
AVR-3-B

Selected Voltage Pulsers with High Current Capability

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Ampl</th>
<th>Rise</th>
<th>Pulse Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV-156M-B</td>
<td>1.5A</td>
<td>0.3 ms</td>
<td>1 ms – 50 ms</td>
</tr>
<tr>
<td>AV-156A-B</td>
<td>5A</td>
<td>4 us</td>
<td>10 us – 10 ms</td>
</tr>
<tr>
<td>AV-156G-B-HC-PW</td>
<td>10A</td>
<td>4 us</td>
<td>10 us – 100 ms</td>
</tr>
<tr>
<td>AV-107D-B</td>
<td>20A</td>
<td>60 ns</td>
<td>30 ns – 5 us</td>
</tr>
<tr>
<td>AV-106A-B</td>
<td>30A</td>
<td>50 ns</td>
<td>0.5 us – 50 us</td>
</tr>
<tr>
<td>AV-106B-B</td>
<td>100A</td>
<td>1 us</td>
<td>2 us – 200 us</td>
</tr>
<tr>
<td>AV-108E-4A-B</td>
<td>150A</td>
<td>15 us</td>
<td>20 us – 200 us</td>
</tr>
<tr>
<td>AV-108E-3A-B</td>
<td>200A</td>
<td>10 us</td>
<td>20 us – 1 ms</td>
</tr>
</tbody>
</table>

For additional help:
info@avtechpulse.com
Tel: 613-686-6675 or 888-670-8729

Prices are published on our website but would be pleased to provide you with a formal emailed price and lead-time quotation!

Quote request form at
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