PERFORMANCE CHECKSHEET

Model: AVPP-1-C-P-AK1-AC18
Type: Ultra-High-Speed Pulse Generator
S.N.: 13016
Date: May 1, 2013

Basic specifications: →

Output Amplitude: up to +10V, to 50Ω
Pulse Width (FWHM): 0.2 to 100 ns
Rise Time (20%-80%): ≤ 100 ps
Fall Time (80%-20%): ≤ 120 or 420 ps
PRF: 1 Hz - 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Test Waveforms

Full pulse at 100 kHz, > 100 ns, > +10V,
20 ns/div. 5 V/div (50 mV × 40 dB):

Leading edge at 100 kHz, 100 ns, > +10V,
500 ps/div. 5 V/div (50 mV × 40 dB):
Trailing edge at 100 kHz, 100 ns, > +10V,
1 ns/div. 5 V/div (50 mV × 40 dB):

Full pulse at 1 MHz, 5 ns, > +10V,
1 ns/div. 5 V/div (50 mV × 40 dB):
Full pulse at 100 kHz, < 200 ps, +10V,

500 ps/div. 5 V/div (50 mV × 40 dB):

<table>
<thead>
<tr>
<th>Width</th>
<th>Rise</th>
<th>Fall</th>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>169.54 ps</td>
<td>47.76  ps</td>
<td>132.66 ps</td>
<td>Main Size</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>500ps/div</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Main Peak</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>143.7 mV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amplitude</th>
<th>Compare &amp; References</th>
<th>Trace 1</th>
<th>Zoom</th>
</tr>
</thead>
<tbody>
<tr>
<td>102.00 mV</td>
<td></td>
<td>Avg(M1)</td>
<td>Off</td>
</tr>
</tbody>
</table>