HIGH VOLTAGE PULSE POWER ATTENUATOR
MODEL 2536

ADVANTAGES
- High voltage pulse rated
- 200 Watt average power
- For use with high rep rate pulses

DESCRIPTION
A high voltage pulse/high power microwave (HPM) attenuator that contains a liquid dielectric coolant. It has an integral coolant pump, heat exchanger, and fan, which enables this unit to dissipate high average power.

SPECIFICATIONS

Voltage Ratio:

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage Ratio</th>
<th>(dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2536-HFP-3</td>
<td>1.4/1 Vr</td>
<td>(3dB)</td>
</tr>
<tr>
<td>2536-HFP-6</td>
<td>2.0/1 Vr</td>
<td>(6dB)</td>
</tr>
<tr>
<td>2536-HFP-10</td>
<td>3.2/1 Vr</td>
<td>(10dB)</td>
</tr>
<tr>
<td>2536-HFP-20</td>
<td>10.0/1 Vr</td>
<td>(20dB)</td>
</tr>
</tbody>
</table>

Additional attenuation values can be designed, call for availability.

Maximum Input: 7kV/400ns, 15kV/75ns, 30kV/15ns, 60kV/2ns FWHM Pulse
Peak Input Power: 72MW at rated pulse width
Average Input Power: 200W maximum
Impedance: 50 Ω ± 1% (output terminated with 50 Ω)
Risetime through Unit: < 30ps
Bandwidth (-3dB): DC to > 10Ghz
Reflection-TDR: < 5% to a 100ps risetime step function
Voltage Coefficient: < 1% at 25kV
Connector:** HNB female *
Dimensions: Approx. 5(12.7 cm) Wide x 6” (15.3 cm) High x 12”(30.5 cm) Deep
Weight: Approx. 17 lbs. (7.8 kg)
Power Requirements: 115V/60Hz, 4 Amp to power cooling pump, fan and highly visible "power on" light (240 V/50-60Hz model available for export)

NOTE:
* Our type HN (HNB) connectors are specially designed to obtain minimum reflection coefficient for fast risetimes. For best pulse response, our model 401-HNB male or 402-HNB female cable connector for RG214/U coax should be used for interconnection.

** Unit is supplied with a Barth Model 404-HMM low reflection male to male adapter, so that either the input or output can be a male connector.