

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:	2536-HFP-3	1.4/1 Vr (3dB)
	2536-HFP-6	2.0/1 Vr (6dB)
	2536-HFP-10	3.2/1 Vr (10dB)
	2536-HFP-20	10.0/1 Vr (20dB)

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 \pm 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.