HIGH VOLTAGE PULSE ATTENUATOR

MODEL 2237-HFNFP, 2239-HFNFP

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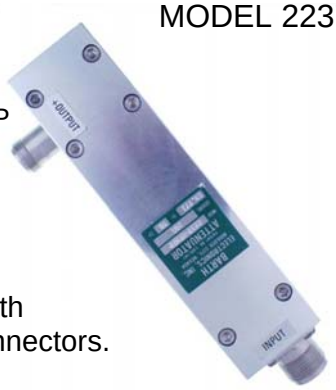
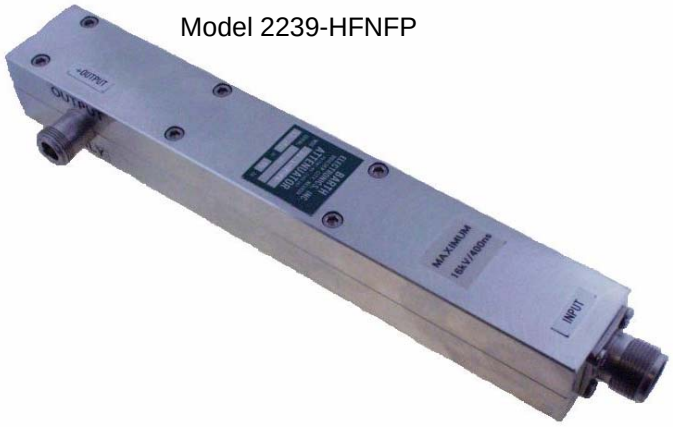


Model 2239-HFNFP



DESCRIPTION

26dB attenuators with
HN female input connectors.

SPECIFICATIONS

Voltage Ratio:		20/1 Vr (26dB)
Maximum Input:	2237	10kV, 400ns FWHM Pulse
	2239	16kV/400ns, 20kV/200ns, FWHM Pulse
Peak Input Power:	2237	2MW at rated pulse width
	2239	18MW at rated pulse width
Average Input Power:		2.5W maximum
Impedance:		50 Ω ± 1%
Risetime through Unit:	2237	< 50ps
	2239	<100ps
Bandwidth (-3dB):	2237	DC to 7.0GHz
	2239	DC to 3.5GHz
Reflection-TDR:	Input	< 4% to a 100ps risetime step function
	Output	< 3% to a 100ps risetime step function
Voltage Coefficient:		< 1% at rated voltage
Connectors:		HN female input * N female output
Dimensions:	2237	4.8" long x 1.250" wide x 2" high
	2239	10.5” long x 1.250” wide x 2” high
Weight:	2237	1 ¼ lbs.
	2239	1 ¾ lbs.

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. A RG214/U coax "pigtail" input is also available and can be supplied with a HNB male connector on the coax. We have found that the best HN Connector pair cannot withstand 25kV at 10ns pulse width for more than 1000 shots. We have to limit any attenuator with HN connectors to 20kV at 200ns. They can withstand 25 or 30kV at much shorter pulses. But we cannot specify what that pulse width limit may be.