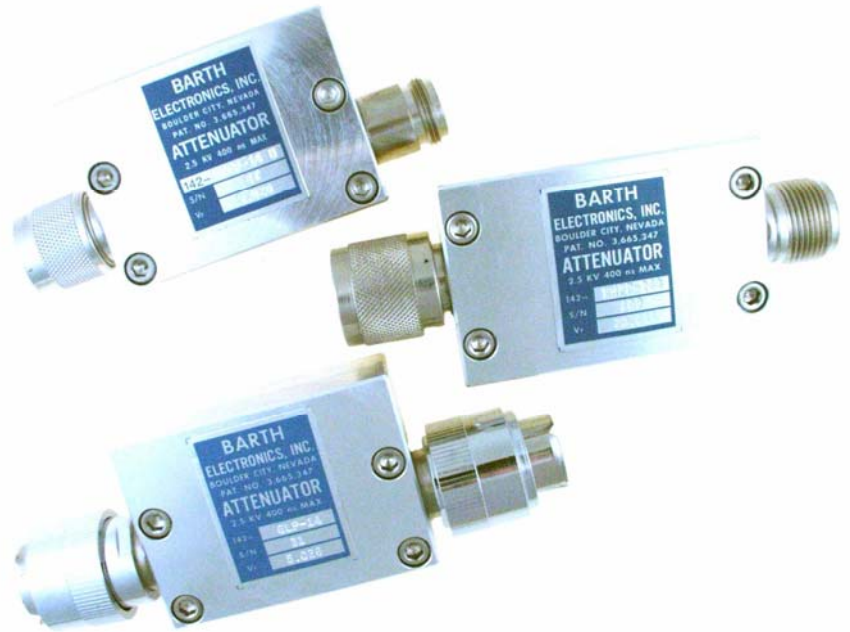


HIGH VOLTAGE PULSE ATTENUATOR

MODEL 142 SERIES



Model 142 Series

ADVANTAGES

- High voltage pulse rated
- Wide range of standard attenuation values, custom values available
- Units with standard connector combinations are available from stock
- Custom connector combinations can be manufactured from standard parts.

DESCRIPTION

The 142 series attenuators are available in 8 standard attenuator values and are rated for 2.5Kv/400ns wide rectangular pulse. Any non standard value, between 1.2 and 20dB, can be manufactured.

SPECIFICATIONS

Voltage Ratio - Attenuation dB:

142-xxx-3:	1.4/1 Vr (3dB)
142-xxx-4:	1.5/1 Vr (4dB)
142-xxx-6B:	2.0/1 Vr (6dB)
142-xxx-8B:	2.5/1 Vr (8dB)
142-xxx-10B:	3.2/1 Vr (10dB)
142-xxx-14B:	5.0/1 Vr (14dB)
142-xxx-20B:	10.0/1 Vr (20dB)
142-xxx-26B:	20.0/1 Vr (26dB)

Specifications are continued on the next page

HIGH VOLTAGE PULSE ATTENUATOR

MODEL 142 SERIES

SPECIFICATIONS continued

Maximum Input:	2.5kV, 400ns FWHM Pulse	
Peak Input Power:	125kW at rated pulse width	
Average Input Power:	2W maximum	
Impedance:	50 \pm 1%	
Risetime through Unit:	< 10ps	
Bandwidth (-3dB):	DC to 30GHz	
Reflection-TDR:	< 3% to a 100ps risetime step function	
Voltage Coefficient:	< 1% at rated voltage	
Connectors:	142-NMFP-yy 142-GLP-yy 142-HMFP-yy 142-GHMFP-yy 142-SPJ	N male/female * GR 874 Locking HNB male/female ** GHV male/female *** SHV male/female ***
Dimensions:	Outline drawings available	
Weight:	3/4 lb max.	
Ordering Information:	142-xxx-yy	

-xxx Connector identifier, see list under connectors heading for our standard (stocked) configurations. Call for connector configurations not shown.

-yy Attenuation value in dB, see list of standard values under Voltage Ratio heading, or call for nonstandard values.

NOTE: Actual measured voltage ratio is recorded on each nameplate.

* Most popular general purpose lab items, in stock for immediate delivery.

** 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.

*** Connector has risetime limitations; please specify test pulse risetime.