HIGH VOLTAGE PULSE ATTENUATOR
MODEL 102 Series

ADVANTAGES
- High voltage pulse rated
- Least expensive high voltage coaxial attenuator available
- Small dimensions
- Higher average power than 142 series

DESCRIPTION
This unit utilizes a patented design, which provides for maintaining good HV capabilities and good power dissipation. While this unit has a simpler housing design than our precision attenuators, for better heat dissipation, it still provides a very respectable and clean 50 ps output risetime.

SPECIFICATIONS
Voltage Ratio: 10.0/1 Vr (20dB)

Maximum Input:
- 5.0kV, 80ns FWHM Pulse, 500kW Peak Power**
- 2.5kV, 400ns FWHM Pulse, 125kW Peak Power
- 1.25kV, 1600ns FWHM Pulse, 31kW Peak Power

Average Input Power:
- 5W maximum
10W with optional fins (Model CF) for external cooling

Impedance: 50 Ω ± 1%

Risetime through Unit: < 50ps

Bandwidth (-3dB): DC to 7GHz

Reflection-TDR: < 2% to a 100ps risetime step function

SWR: < 1.05 to 1GHz
- < 1.30 to 4GHz

Voltage Coefficient: < 1% at rated voltage

Connectors: 102-NMFP-20 N Male/Female**
- 102-GLP-20 GR 874 locking
- 102-GP-20 GR 874 non-locking

Dimensions:
- 102-NMFP-20 5” long x .8” dia.
- 102-GP-20 4.5” long x 0.625” dia.
- 102-GLP-20 4.5” long x 1.01” dia.

Weight: 3/8 lb.

** Units with N connectors are limited to a 4kV rating.