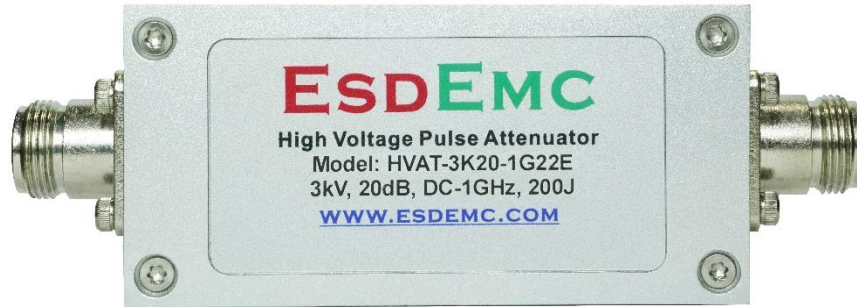


HVAT-3K20-1G22E High Voltage Pulse Attenuator



1. Description

The HVAT-3K20-1G22E high voltage pulse attenuator is used to attenuate high voltage pulse signals by 20dB in a 50 Ω system. 3kV pulses can be handled for pulse durations up to 1 ms, while 5kV pulses can be handled at shorter duration. It consists of highly surge-robust components with great voltage linearity. The device is symmetrical as input and output can be exchanged.

2. Features

- Surge robust attenuator with great voltage linearity
- Wide frequency measurement capability from DC up to 1 GHz
- Symmetrical design, input and output can be exchanged
- N-Type connector interface, up to 5 kV peak pulse capability
- Energy handling up to 200 J
- Customized attenuation design available

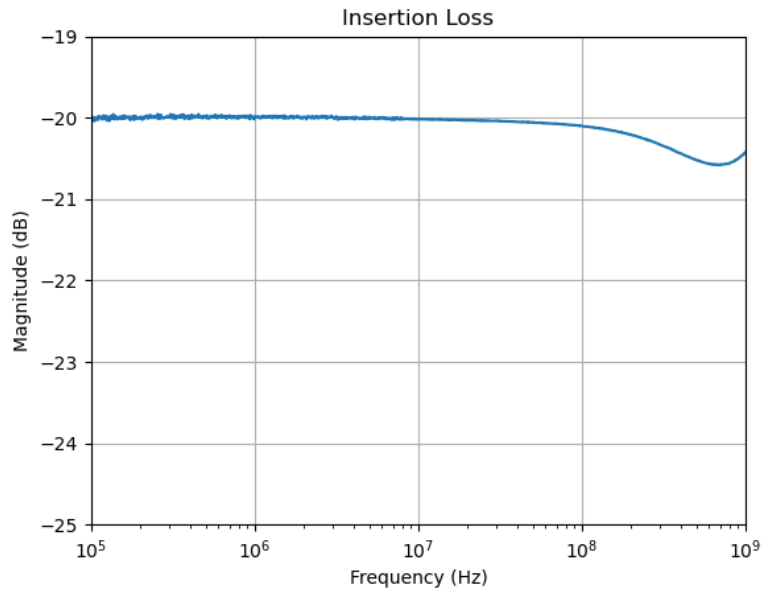
3. Applications

- Customization attenuation designs available
- Pulse generator waveform calibration, such as Transmission Line Pulse (TLP), Electrical Fast Transient (EFT), etc...

4. Specifications

Parameters	Value	Unit	Comments
Nominal Impedance	50	Ohm	< ± 2 Ohm
Usable Frequency Range	DC – 1	GHz	
Nominal Attenuation	20	dB	(±1) dB
Peak Pulse Voltage	5	kV	
Peak Pulse Power	500	kW	
Energy Rating	200	J	
Dimensions	133 X 45 X 32	mm	
Weight	About 500	g	

Typical Network Analyzer Measurement is shown below:



5. Ordering Information

Line	Part # or Option #	Description
2	HVAT-3K20-1G22E	20 (±1) dB, DC-1 GHz, 200 J HV Pulse Attenuator with N-Type Connector

Customized attenuator design is available upon request