



SOLAR ELECTRONICS COMPANY

A division of A.T. Parker, Inc.

TYPE 9454-1 HIGH VOLTAGE ATTENUATOR

Rev. 1.0 September 6, 2005
Rev. 1.1 April 13, 2011
Rev. 1.2 December 15, 2014
Rev. 1.3 November 16, 2018
Rev. 1.3 March 14, 2023

The Type 9454-1 is a special purpose attenuator;
Designed to attenuate very short duration, high voltage, and relatively low duty cycle pulses.
Usually, the most important attenuator characteristic is power after attenuation rating in watts;
For this attenuator, it is voltage rating.

SPECIFICATIONS	
Attenuation	40 dB* with 600 Ω input
Voltage Rating	2500 V max.
Average Watts	2.5 max.
Frequency Range	100 Hz to 1 GHz
Input Impedance	600 Ω
Output Impedance	50 Ω
Weight	0.4 lbs. (0.18 kg)
Connectors	Input: Type BNC, male Output: Type BNC, female
*Typical dc to 700 MHz, + 1 dB; do to 1 GHz - 1dB to + 3dB.	

Each high-voltage attenuator is serialized and calibrated. A graph of attenuation in dB vs. frequency (100 Hz to 1 GHz) taken in a 50-ohm system is supplied with each attenuator.

Caution:

The high-voltage source should only be connected to the INPUT end of the attenuator!
The OUTPUT connector is not protected for high voltage pulses
and will only withstand 250 volts and 0.25 watts average.

INPUT



OUTPUT

Solar Type 9454-1 High
Voltage 40 dB Attenuator

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J.Fernandez

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