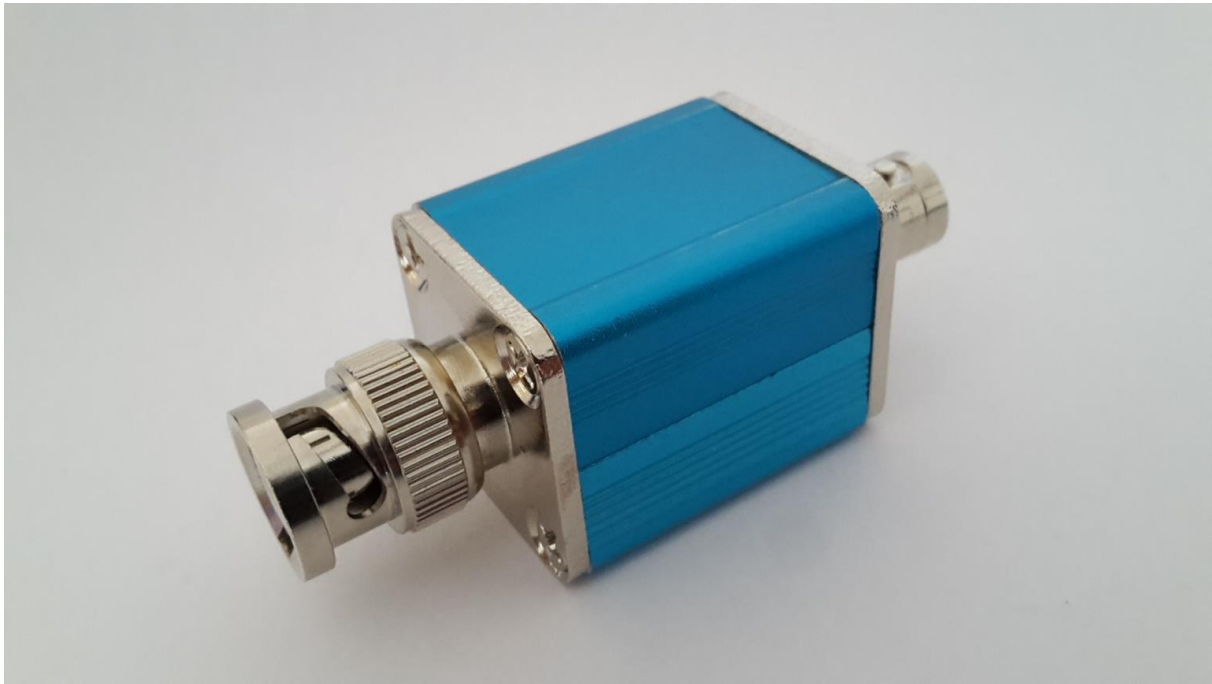


High Power 50 Ω /AC Input

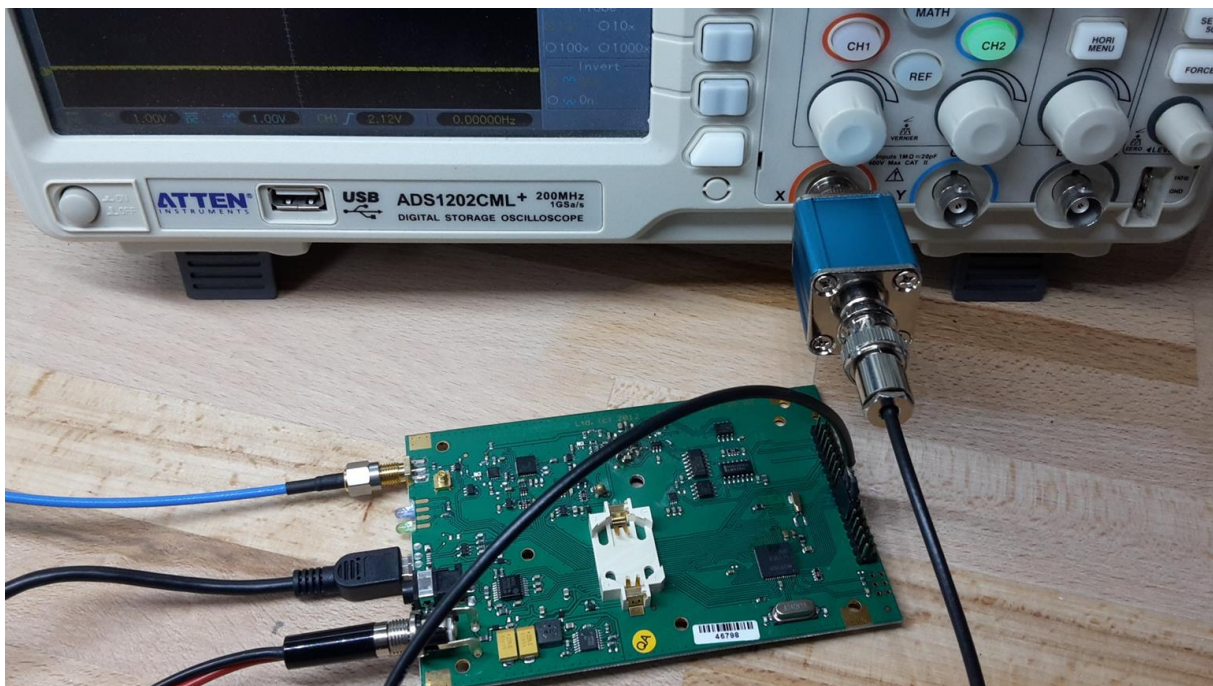


Features

- 50 Ω Input Impedance for RF/Pulse Measurement up to 2GHz
- DC-Blocking (50V)
- 8W continuous input Power (20W @ 1 sec.)
- 1:1 Voltage Divider on 1M Ω Oscilloscope Input
- 1:10 Voltage Divider on 50 Ω Oscilloscope Input
- 20 dB High Power Attenuator for Spectrum Analyser
- Small and handy Design (65 x 25 x 25 mm)

Application

- Measuring DC coupled RF/Pulsed Signals
- Oscilloscope RF Measurements
- High Power Attenuator for Spectrum Analyser



Description

This device allows to measure RF or fast transient pulse signals on an $1\text{M}\Omega$ oscilloscope input. Low impedance wiring up to input connector routes high frequency signals directly to oscilloscope input without loss. The integrated DC block makes analysing of DC/DC converted supply easy. Switching oscilloscope input to 50Ω input converts this device to a 1/10 voltage divider.

On spectrum analysers, the input is attenuated by 20dB, while the input impedance stays at 50Ω . It is capable of measuring DC biased RF signals because it has an integrated DC block up to 50V.

Maximum Ratings

	value	unit
DC Input Voltage	50	V
Continuous AC Input Voltage	30	V peak
AC Input Voltage for 1 second ⁽¹⁾	45	V peak
Input Power, continuous	8	W
Input Power, < 1 second ⁽¹⁾	20	W

(1) When measured with 1M Ω input

Frequency Ratings

	value	unit
Lower 3dB cutoff frequency	270	Hz
Reflection < -10dB	510	Hz
Upper 3dB cutoff frequency	2000	MHz

Measures

	value	unit
Dimensions	65x25x25	mm
Weight	100	g
Connector type	BNC	