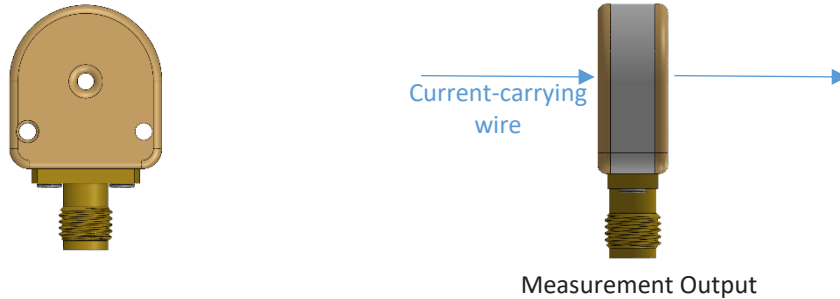


CT-002-T Series Broadband Current Transformer



1. Description

CT-002-T series broadband current transformers are designed to monitor current pulse transients through an insulated wire. The frequency response of the current probe is flat from around 1 kHz to a few GHz.

2. Features

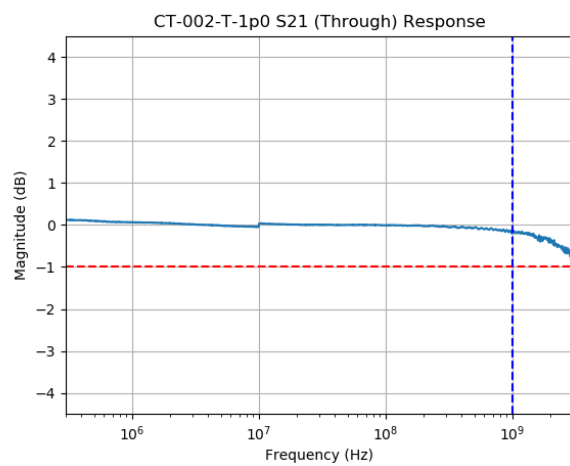
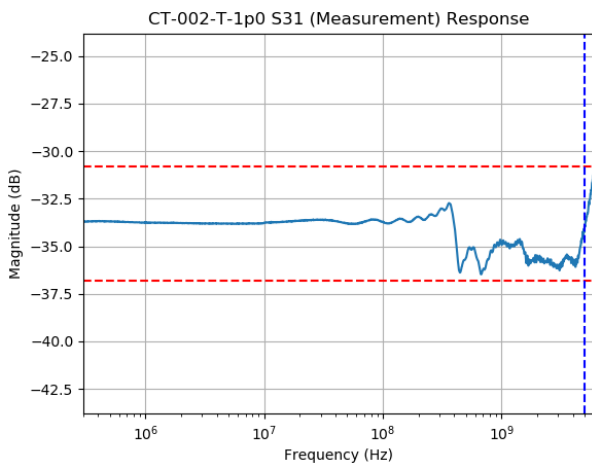
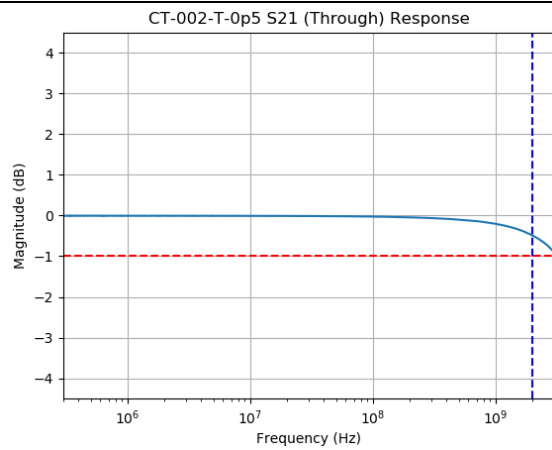
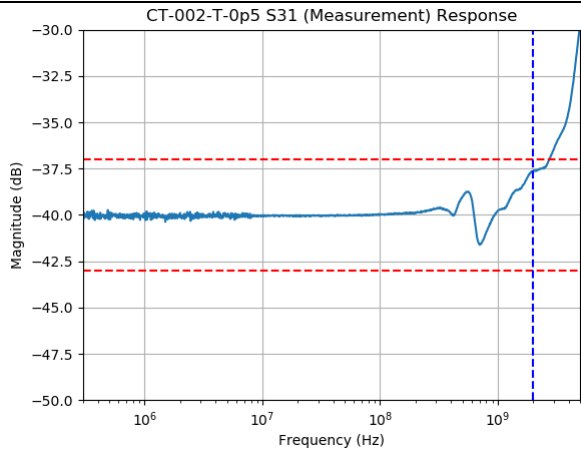
- Wideband flat transfer impedance (1 kHz – 2 GHz & 400 Hz – 2 GHz)
- High saturation (current time product) rating 30 & 75 A μ s
- High dielectric breakdown rating > 2 kV
- Compact and robust design
- Measures high frequency directly on a wire

3. Applications

- High frequency high current measurements through a wire

4. Specifications

	CT-002-T-0p5	CT-002-T-1p0
Flat (± 3 dB) Frequency Range for S31	1 kHz - 2 GHz	2.01 kHz – 2 GHz
Flat (± 1 dB) Frequency Range for S21	1 kHz – 2.5 GHz	2.01 kHz – 5 GHz
Transfer Impedance (nominal)	0.5 V/A	1 V/A
Amp x Second Saturation Rating	75 A μ s	20 A μ s
Dimension	29 x 18.1 x 7.9mm	29 x 18.1 x 7.9mm
Weight	0.048 kg (0.11 lbs.)	0.048 kg (0.11 lbs.)



**A -40.0 dB S31 corresponds to a 0.5 V/A Transfer Impedance, while -34 corresponds to 1 V/A.
 All measurements were recorded directly from a salable probe.

5. Ordering Information

Part # or Option #	Description
CT-002-T-0p5	CT-002-T .5 V/A broadband current transformer, 0.5V/A, Metal Case.
CT-005-T-1p0	CT-002-T 1 V/A broadband current transformer, 1.0V/A, Metal Case.