

CT-T02 Broadband Current Transformer

1. Description

The CT-T02 series broadband current transformers are designed to monitor current pulse transients. Each probe's frequency response 3 dB bandwidth spans from 2 kHz to 2 GHz. The probe enclosure houses mounting screw holes and a through-hole diameter of 1.6mm.



2. Features

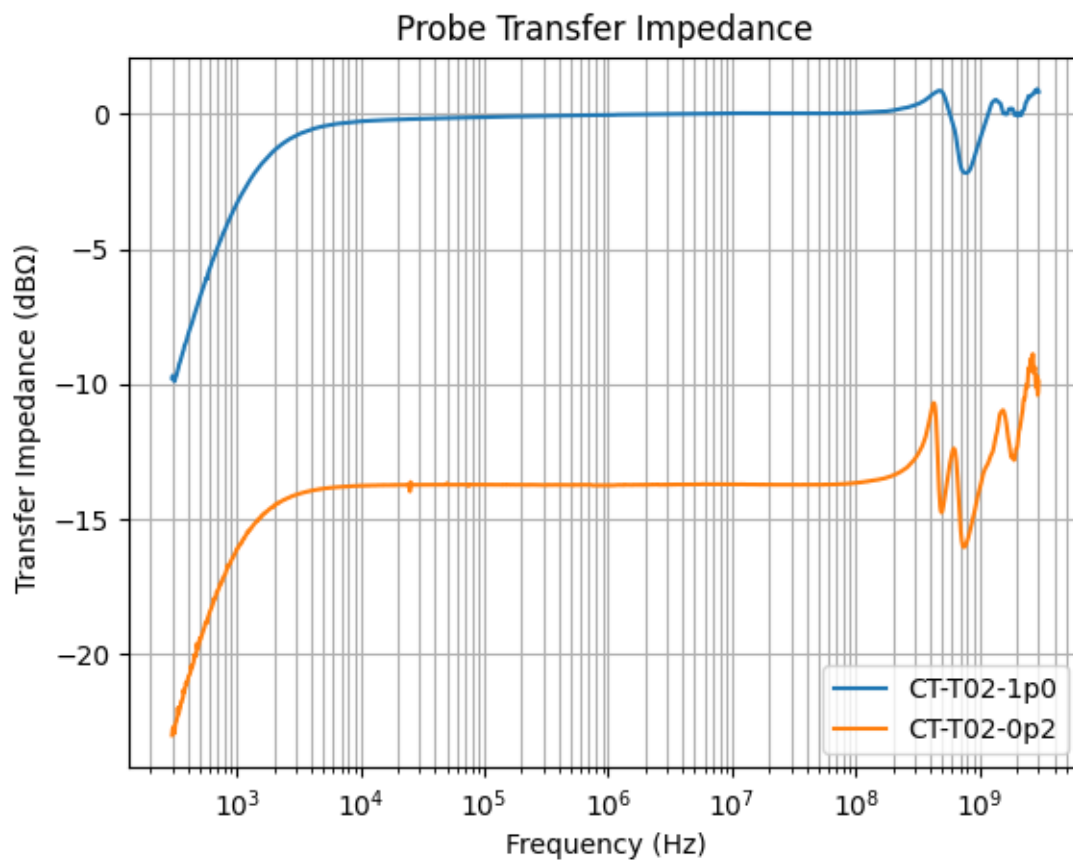
- Flat transfer impedance at high frequencies
- Compact, lightweight, and robust design
- 1.6mm through-hole diameter
- SMA-connector measurement port

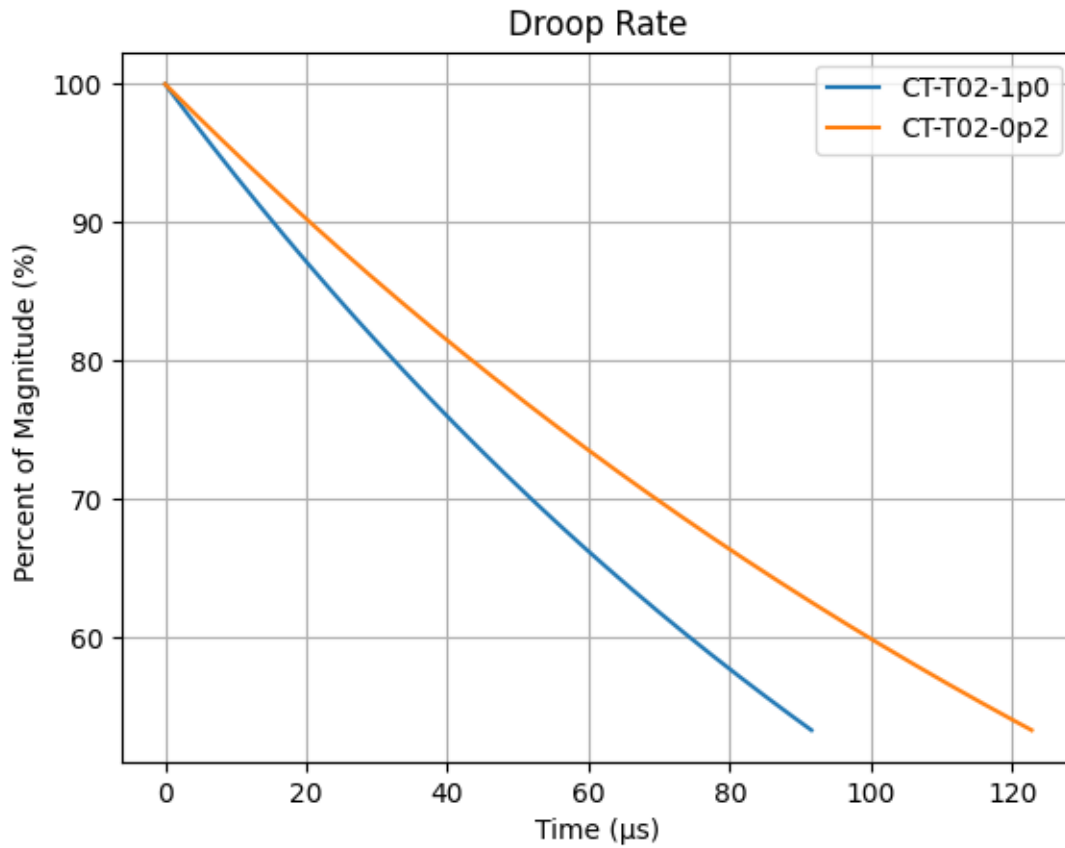
3. Applications

- High frequency current measurement
- ESD and EOS pulse current measurement (including HBM, MM, CDE)
- Conducted emissions current measurements

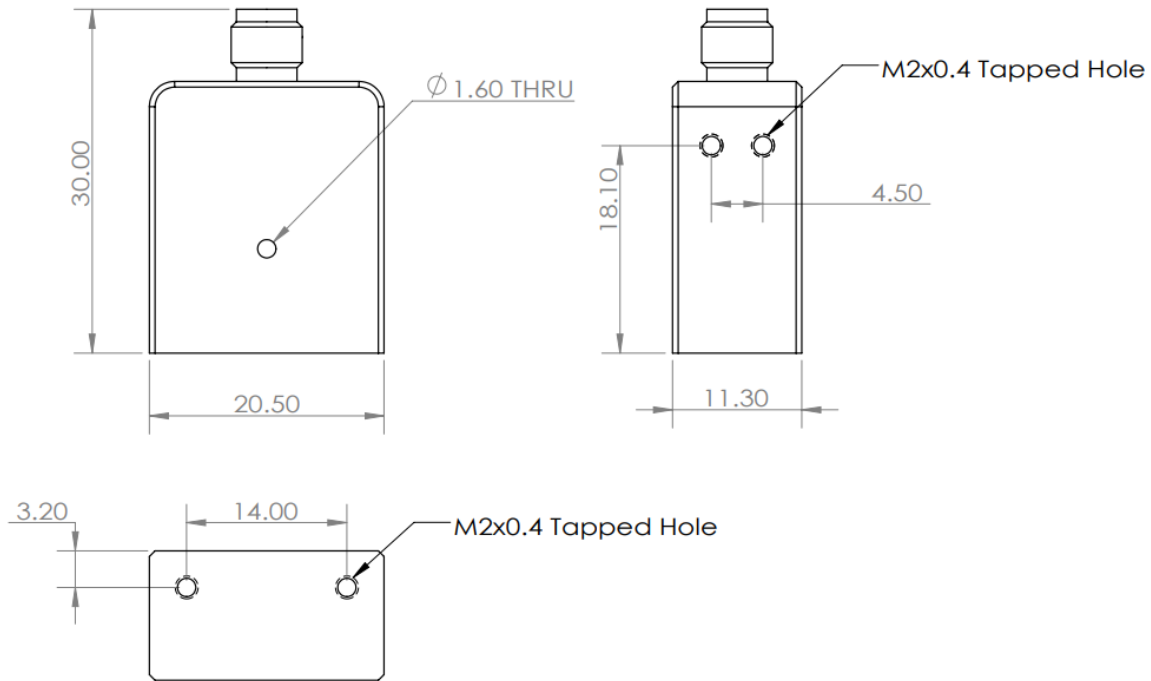
4. Electrical Specifications

Parameter	Value		
Probe Factor (V/A)	1	0.5	0.2
Current-Time Product (A·μs)	20	80	100
Flat Response Bandwidth (3dB)	2 kHz – 2 GHz	2 kHz – 2 GHz	2 kHz – 2 GHz
Insertion Loss Bandwidth (1dB)	DC – 1.5 GHz	DC – 1.5 GHz	DC – 1.5 GHz





5. Dimensions



6. Ordering Information

Line	Part # or Option #	Description	Status
1	CT-T02-1p0	CT-T02 Broadband Current Transformer, 1 V/A	Active
2	CT-T02-0p5	CT-T02 Broadband Current Transformer, 0.5 V/A	Active
3	CT-T02-0p2	CT-T02 Broadband Current Transformer, 0.2 V/A	Active