

CT-S02 Broadband Current Transformer

1. Description

The CT-S02 series broadband current transformers are designed to monitor current pulse transients. Each probes frequency response 3 dB bandwidth spans from a minimum of 1 kHz to 2 GHz with a 1dB insertion loss up to 1.7 GHz.



2. Features

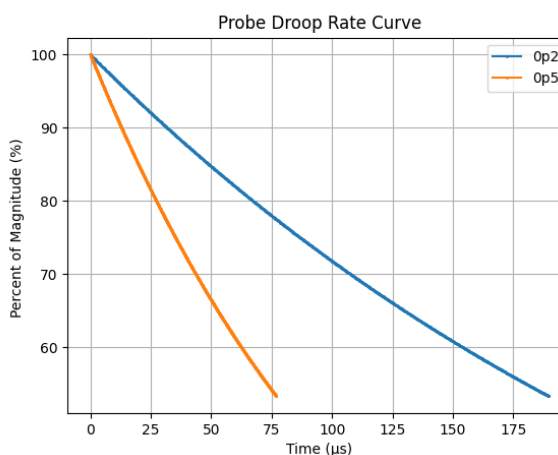
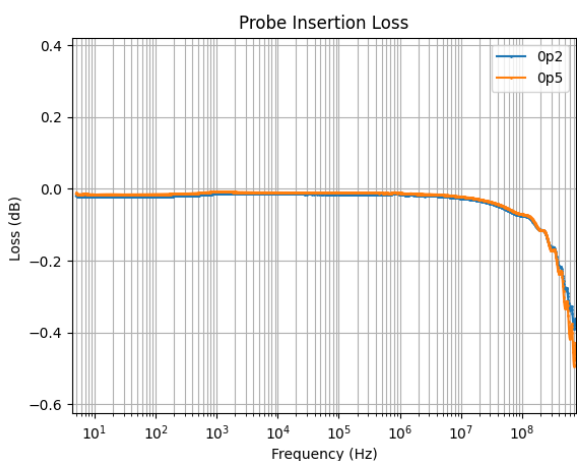
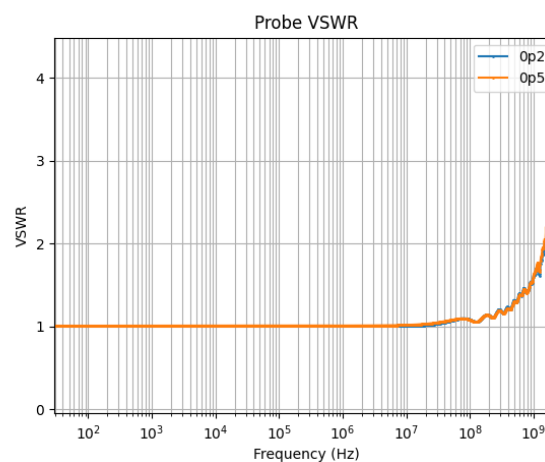
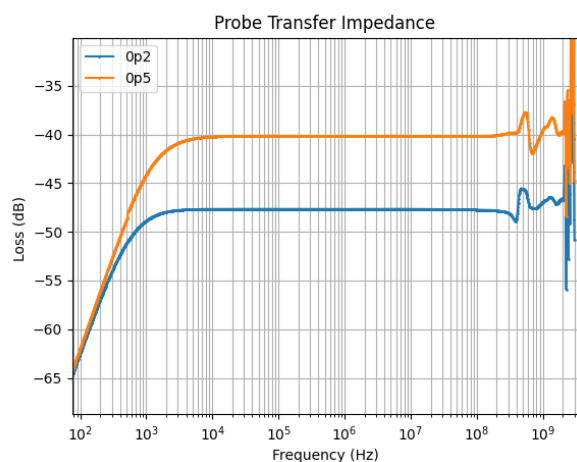
- Flat transfer impedance at high frequencies
- 50 Ω through-path characteristic impedance
- Compact, lightweight, and robust design
- SMA-connector ports

3. Applications

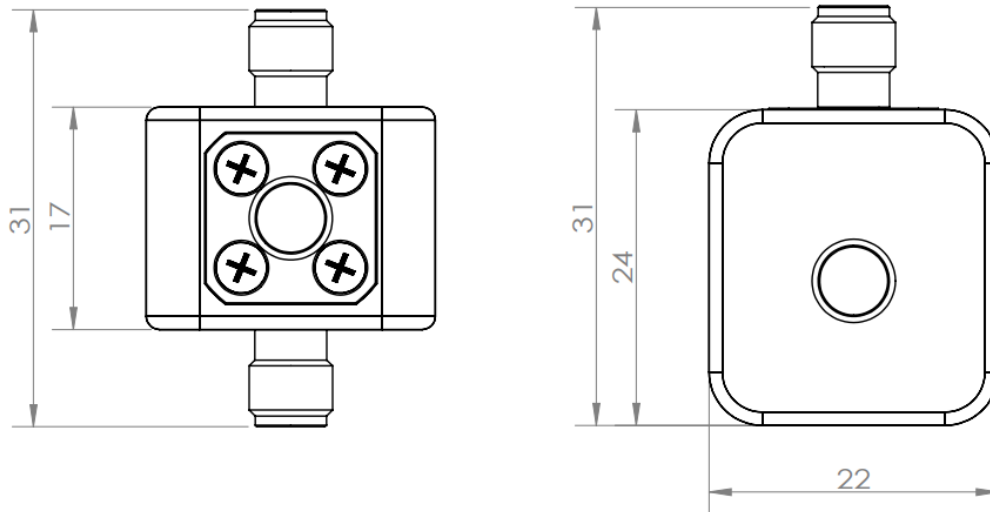
- High frequency current measurement
- ESD and EOS pulse direct current measurement

4. Electrical Specifications

Parameter	Value	
Probe Factor (V/A)	0.2	0.5
Current-Time Product (A·μs)	150	50
Flat Response Bandwidth (3dB)	1kHz – 2GHz	1.2kHz – 2GHz
Insertion Loss Bandwidth (1dB)	DC – 1.7GHz	DC – 1.3GHz



5. Dimensions



6. Ordering Information

Line	Part # or Option #	Description	Status
1	CT-S02-0p2	CT-S02 Broadband Current Transformer, 0.2 V/A	Active
2	CT-S02-0p5	CT-S02 Broadband Current Transformer, 0.5 V/A	Active