

CT-S03 Broadband Current Transformer

1. Description

The CT-S03 series broadband current transformers are designed to monitor current pulse transients. Each probes frequency response 3 dB bandwidth spans from 3 Hz to 20 MHz with a 1 dB insertion loss up to 500 MHz.



2. Features

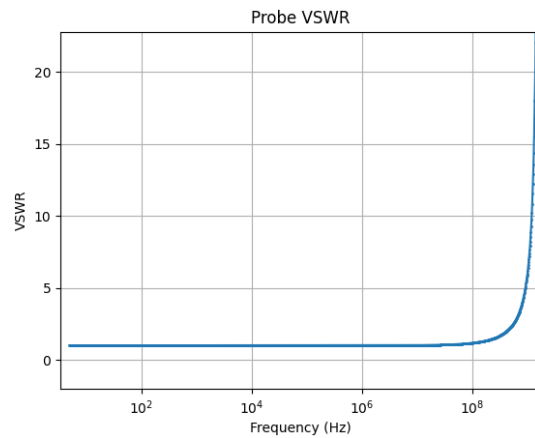
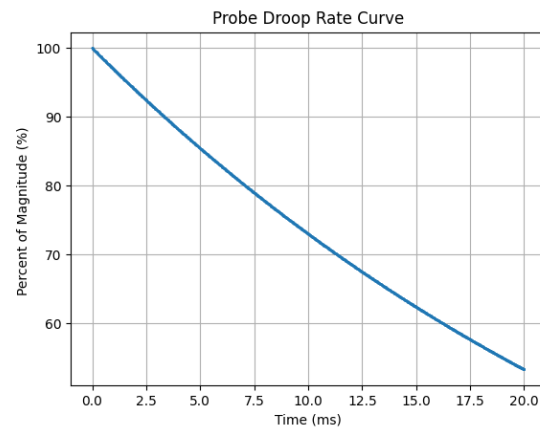
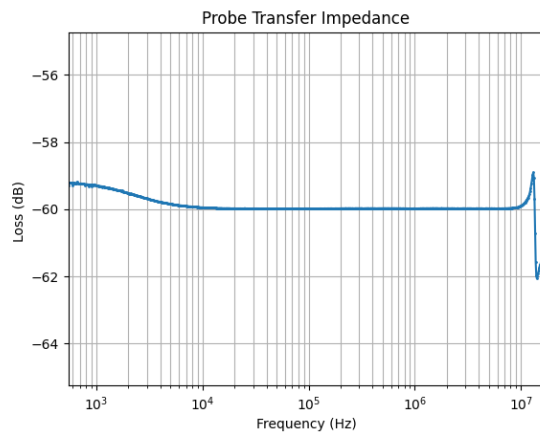
- Wide-band flat transfer impedance
- 50 Ω through-path characteristic impedance
- Compact, lightweight, and robust design
- SMA-connector ports
- Handles high voltage pulsing

3. Applications

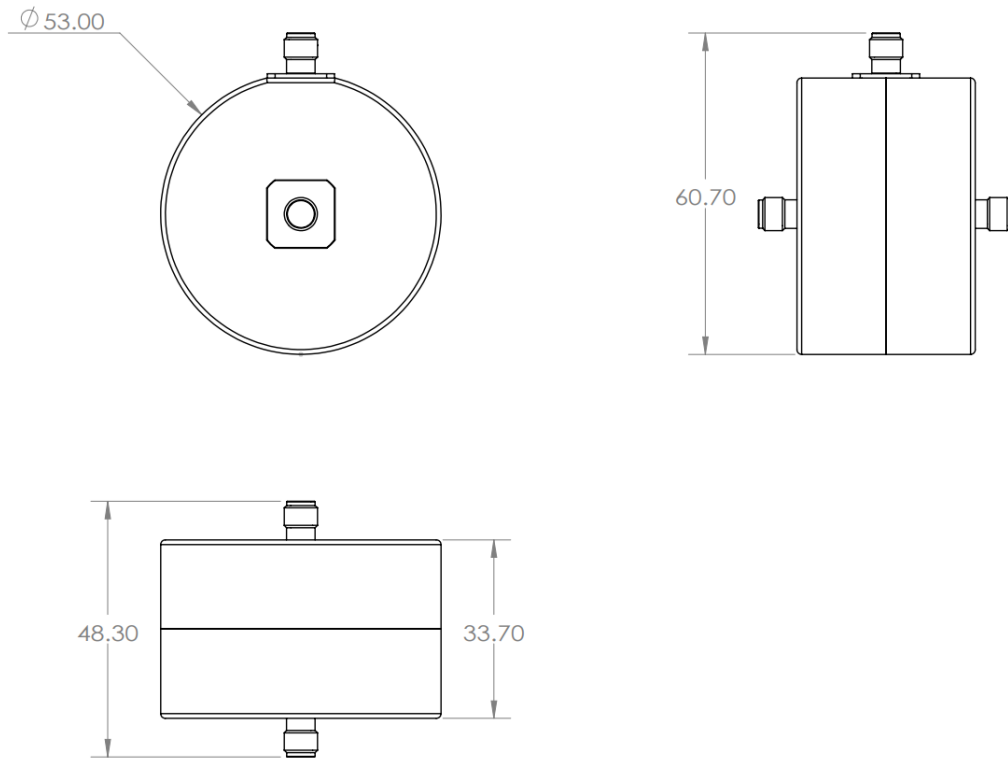
- High voltage and wide-band current measurement
- Long pulse current measurement
- ESD and EOS pulse direct current measurement

4. Electrical Specifications

Parameter	Value
Probe Factor (V/A)	0.05
Current-Time Product (A·μs)	2000
Flat Response Bandwidth (3dB)	3Hz – 20MHz
Insertion Loss Bandwidth (1dB)	DC – 500MHz



5. Dimensions



6. Ordering Information

Line	Part # or Option #	Description	Status
1	CT-S03-0p05	CT-S03 Broadband Current Transformer, .05 V/A	Active