

CT-C03 Broadband Current Transformer

1. Description

The CT-C03 series broadband current transformers are designed to monitor current pulse transients. This clamping-style probe has an inner diameter of 44 mm, an outer diameter of 72.5 mm, and a draw-latch camp. Two variants of the probe are offered with frequency response 3 dB bandwidths that nominally span from 40 kHz to 600 MHz and 2 MHz to 500 MHz, respectively.



2. Features

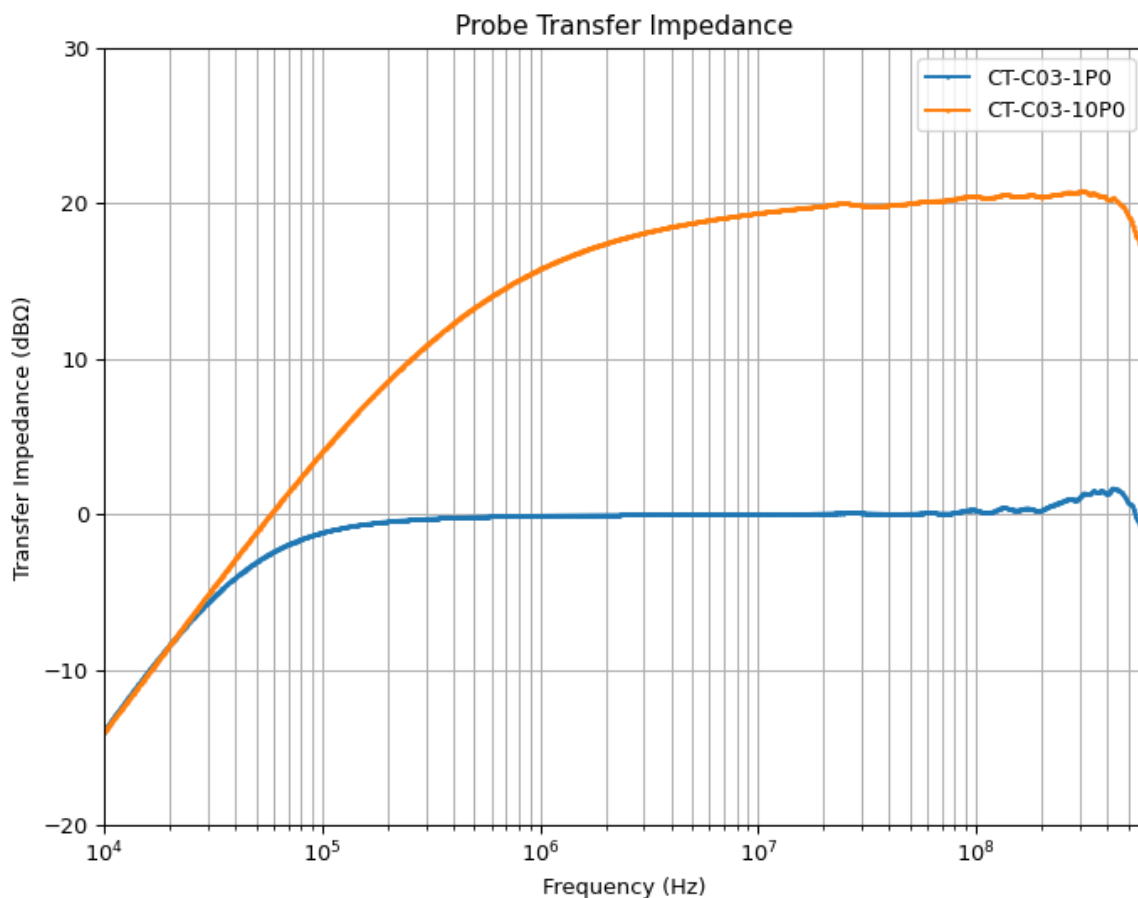
- Flat transfer impedance
- Compact, lightweight, and robust design
- Spring-loaded draw-latch clamp
- Outer Diameter of 72.5 mm
- Inner Diameter of 44 mm
- Type-N connector

3. Applications

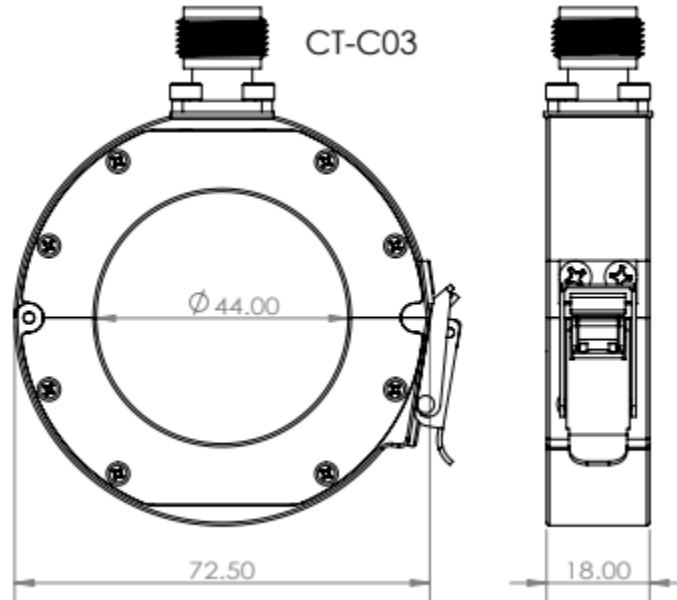
- High frequency time-domain current measurement
- Conducted Emissions measurements

4. Electrical Specifications

Parameter	Value	
Variant	CT-C03-1P0	CT-C03-10P0
Frequency Range	40 kHz – 600 MHz	2 MHz – 500 MHz
Internal Diameter	44 mm	44 mm
Outer Diameter	72.5 mm	72.5 mm
Height	18 mm	18 mm
Nominal Transfer Impedance (V/A)	1	10
Nominal Transfer Impedance (dB)	0	20
Connector-Type	Type-N	Type-N
Max RMS Current [RF – CW]	15 A	300 mA



5. Dimensions



6. Ordering Information

Line	Part # or Option #	Description	Status
1	CT-C03-1P0	Broadband Current Transformer, 1 V/A, 40 kHz – 600 MHz	Active
2	CT-C03-10P0	Broadband Current Transformer, 10 V/A, 2 MHz – 500 MHz	Active