

CTSA Series of Split core Current Transformers

CTSA Series (secondary output mA or 0.333-3.53V, Suitable for measuring the cable current)

The YUANXING CTSA series of split core style current transformers are designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without disconnecting cables circuits for CT installation. This method permits a safer, easier and portable current measurement.



RECOGNIZED COMPONENT



CTS Series

CTSA Series

CTSB Series

FEATURES

- Low cost
- 4 standard sizes
- Split core design, safer, easier installation, and portable.

APPLICATIONS

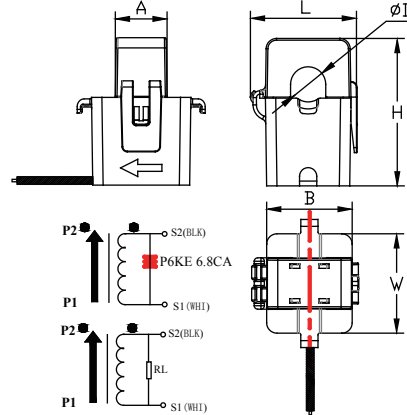
- Electrical lines and equipment of current measurement, control and protection
- Measures AC current flow to electric motors, lighting, air condition equipment, etc. Compatible with HVAC temperature control, power management, building automation systems.

SPECIFICATIONS

- Rated Primary Current :5-400Aac
- Rated Second Voltage :0.333Vac
- Frequency Range:50-400Hz
- Operating Temperature:-15°C to 50°C
- Insulating Resistance:100M Ohms @ 500Vdc
- Dielectric Strength:2,500 Vac/min
- ETL-approved
- Case Material:nylon ,Resin94-V0
- RoHS compliant
- Highest Voltage for Equipment Um (rms): ≤600Vac
- Leads: 240mm (0.8Foot), UL1015, Twisted Pair, 0.34mm² (22AWG), The length can be customized.

PERFORMANCES

DIMENSION DRAWING



Part Number	Ratio	Measuring			Frequency (Hz)	Outline Dimensions ID-L-W-H-A-B (mm/inch)
		Rated Input (A)	Accuracy Class	Phase linearity error		
CTSA005		5,10,15	1.0 3.0	--	50 to 1KHz	5.0/25.0/22.5/34.5 0.196/0.984/0.886/1.358
CTSA010	1000:1	5,10,20,50,75	1.0 3.0	≤30'	50 to 1KHz	10.0/30.8/28.8/42.8/15/24.8 0.394/1.213/1.134/1.685/0.591/0.976
CTSA016	2000:1	75,100,150	0.5	≤30'	50 to 1KHz	16.0/37.8/33.9/49/19.9/30.7 0.630/1.488/1.335/1.929/0.783/1.209
	3000:1		1.0			
CTSA024		100,150,200, 250	0.5	≤30'	50 to 1KHz	24.0/53.3/40.2/70.0/20.3/45 0.945/2.098/1.583/2.756/0.799/1.772
			1.0			
CTSA035		200,300,400, 500	0.5 1.0	≤30'	50 to 1KHz	35.0/67/42.8/83/22.5/58.2 1.378/2.638/1.685/3.268/0.886/2.291
CTSA050	2000:1	400,500,600, 800,1000	0.2	≤30'	50 to 1KHz	50.2/95.2/48.5/109.5/26.6/86.0 1.976/3.748/1.909/4.311/1.047/3.386
	3000:1		0.5			
	4000:1		1.0			
	5000:1					
	6000:1					

Note: Output voltage signal, recommended priority of 0.333V

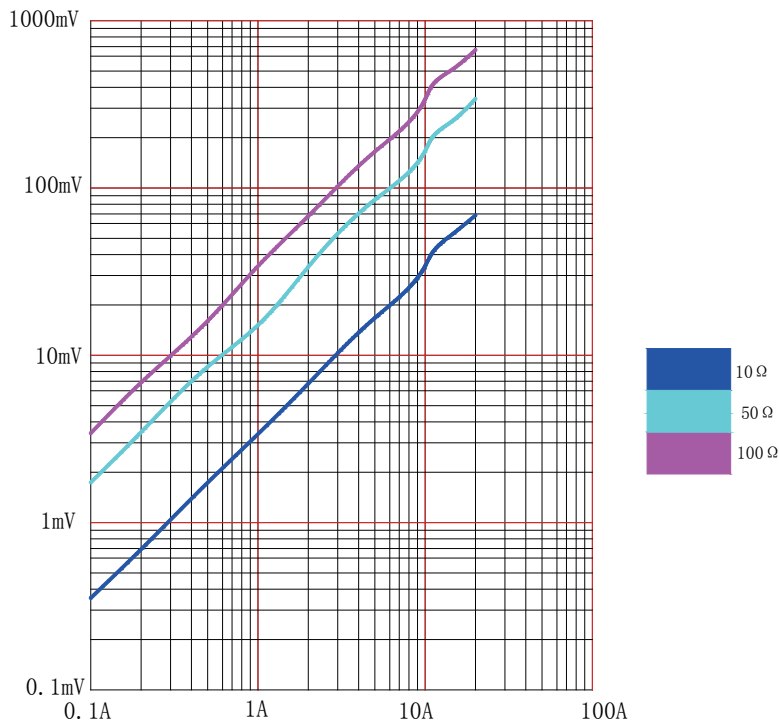
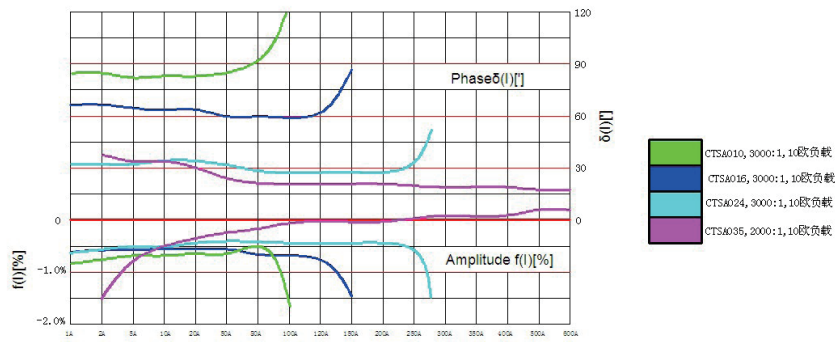
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CHARACTERISTIC CURVE



CTSA005, the turn ratio is 1:3000