

## CTS Series of Split Core Current Transformers

The YUANXING CTS 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 requiring that the primary wire be taken offline and disconnected for CT installation. This method permits a safer, easier and portable current measurement.

An internal precision burden resistor across the secondary winding of the CT provides a safe low voltage output and permits safe opening of the secondary.

### **Features:**

- Low cost
- 3 standard sizes
- Split core design; safer, easier installation, portable

### **Applications:**

Measures AC current flow to electric motors, lighting, air conditioning equipment, etc.  
Compatible with HVAC temperature control, power management, building automation systems.

### **Specifications:**

Output: 0.333 VAC at rated current.  
Accuracy:  $\pm 1\%$  from 10% to 130% of rated current.  
Phase Angle: less than 2 degrees at 50% of rated current.

Case material: ABS Resin UL flame retardant rating 94V-O  
Construction: Epoxy encapsulated housing  
Insulation Voltage: 600 Vac  
Maximum Primary Voltage: 5,000 Vac (Insulated conductor)  
Frequency Range: 50/60 Hz  
Operating Temperature: -15°C to +60°C  
Leads: 6.1 m (20 Ft), UL 1015, Twisted Pair, 0.34mm<sup>2</sup> (22AWG)

### **YUANXING Electronics Co., LTD**

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### **T.I. Associates**

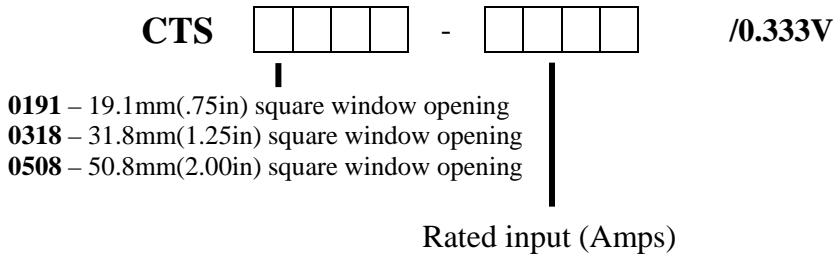
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CTS Series of Split Core Current Transformers

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**Part Numbers:**

Part Number	Rated (Amp)	MAX (amp)	Opening (mm/in)	Accuracy	Linearity Range
CTS0191-xxxx/0.333V	5, 10, 15, 20, 30, 50, 70, 100, 150A	200A	19.1/.75	± 1%	10%-130% of rated current
CTS0318-xxxx/0.333V	70, 100, 150, 200, 250, 300, 400, 600A	800A	31.8/1.25	± 1%	10%-130% of rated current
CTS0508-xxxx/0.333V	600, 800, 1000, 1200, 1500A	2000A	50.8/2.00	± 1%	10%-130% of rated current



**Outline Drawing:**

**Outline Dimension:**

Part Number	Dimension mm(inch)				
	A	B	C	D	E
CTS0191-xxxx	50.8 (2.00)	53.3 (2.10)	17.0 (0.67)	19.1 (0.75)	19.1 (0.75)
CTS0318-xxxx	82.5 (3.25)	85.1 (3.35)	27.0 (1.06)	31.8 (1.25)	31.8 (1.25)
CTS0508-xxxx	121.0 (4.75)	127.0 (5.00)	32.0 (1.20)	50.8 (2.00)	50.8 (2.00)

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## CTS Series of Split Core Current Transformers

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### **List Price:**

Part Number	Rated (Amp)	List Price (\$US)
CTS0191-xxxx/0.333V	5, 10, 15, 20, 30, 50, 70, 100, 150A	\$35.00
CTS0318-xxxx/0.333V	70, 100, 150, 200, 250, 300, 400, 600A	40.00
CTS0508-xxxx/0.333V	600, 800, 1000, 1200, 1500A	58.00

Purchase order quantities of 100 to 999 of a single part number are eligible for a 20% discount from List Price. Higher quantity discounts are available.

**TERMS:** Net 30 days from date of invoice. Invoice date is date of shipment.  
ExWorks/ FOB Tacoma, Washington.

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