



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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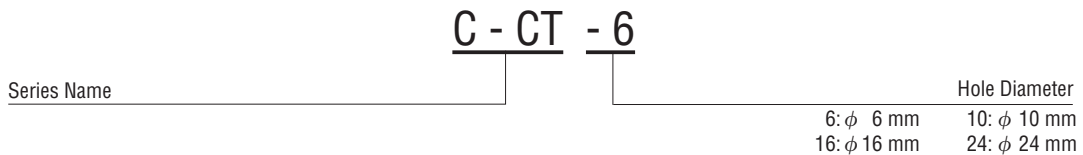
FEATURES

- Clamp-on type (split core design)
Easy installation to distribution panels
- Compact size and wide measuring range
- Outstanding output linearity at all current ranges
- Direct interface
- Overvoltage protection (zener diode)
- UL94 V-0 flame rating

APPLICATIONS

- To measure or monitor current or power consumption in smart energy systems such as:
 - HEMS (Home Energy Management System)
 - BEMS (Building Energy Management System)
 - Various power monitoring systems

PART NUMBER DESIGNATION



LIST OF MODEL NUMBER

Part Number	Rated Primary Current	Max. Input Current	Output characteristic Example	Size and Weight
C-CT-6	AC 0.1 ~ 30 A (50/60 Hz)	AC 50 Arms continuous	AC 100 mV \pm 1 % (AC30 A RL=10 Ω 50/60 Hz)	19.3×26.4×31 mm, Approx. 20 gs
C-CT-10	AC 0.1 ~ 60 A (50/60 Hz)	AC 100 Arms continuous	AC 200 mV \pm 1 % (AC60 A RL=10 Ω 50/60 Hz)	26.4×25.5×43.3 mm, Approx. 40 gs
C-CT-16	AC 0.1 ~ 100 A (50/60 Hz)	AC 200 Arms continuous	AC 333 mV \pm 1 % (AC100 A RL=10 Ω 50/60 Hz)	32.5×30.5×46.2 mm, Approx. 75 gs
C-CT-24	AC 0.1 ~ 200 A (50/60 Hz)	AC 300 Arms continuous	AC 666 mV \pm 1 % (AC200 A RL=10 Ω 50/60 Hz)	48.4×35.5×69.6 mm, Approx. 170 gs

SPECIFICATIONS

Part Number	C-CT-6	C-CT-10	C-CT-16	C-CT-24
Rated Primary Current	AC 0.1 ~ 30 A (50/60 Hz)	AC 0.1 ~ 60 A (50/60 Hz)	AC 0.1 ~ 100 A (50/60 Hz)	AC 0.1 ~ 200 A (50/60 Hz)
Max. Input Current	AC 50 Arms continuous	AC 100 Arms continuous	AC 200 Arms continuous	AC 300 Arms continuous
Output characteristic Example	AC 100 mV±1 % (AC30 A RL=10 Ω 50/60 Hz)	AC 200 mV±1 % (AC60 A RL=10 Ω 50/60 Hz)	AC 333.3 mV±1 % (AC100 A RL=10 Ω 50/60 Hz)	AC 666.6 mV±1 % (AC200 A RL=10 Ω 50/60 Hz)
Phase Accuracy	+2.5°±0.5° (AC30 A RL=10 Ω 50 Hz) +2.1°±0.5° (AC30 A RL=10 Ω 60 Hz)	+1.6°±0.5° (AC60 A RL=10 Ω 50 Hz) +1.3°±0.5° (AC60 A RL=10 Ω 60 Hz)	+0.9°±0.5° (AC100 A RL=10 Ω 50/60 Hz)	+0.3°±0.5° (AC200 A RL=10 Ω 50/60 Hz)
Hole Diameter	φ 6 mm	φ 10 mm	φ 16 mm	φ 24 mm
Nominal Current Ratio	3000 : 1			
Applicable Frequency	10 Hz~5 kHz			
Max. Circuit Voltage	Less than AC600 V (for insulated cable)			
Withstanding Voltage	AC 2200 V/1 minute (between output terminal and outer case)			
Insulation Resistance	More than 50 MΩ by 500 V insulation tester (between output terminal and outer case)			
Open Circuit Protection	7.5 V (Zener diode)			
Operational Temperature	-20 ~ 60 °C, less than 80 %RH Without condensation			
Storage Temperature	-30 ~ 60 °C, less than 80 %RH Without condensation			
Flame Rating	UL94 V-0			
Output Cable lead	AWG24 Approx. L=200 mm	AWG22 Approx. L=150 mm		
Size and Weight	19.3×26.4×31 mm Approx. 20 gs	26.4×25.5×43.3 mm Approx. 40 gs	32.5×30.5×46.2 mm Approx. 75 gs	48.4×35.5×69.6 mm Approx. 170 gs

PACKAGING SPECIFICATIONS

- Bulk Packing specifications
Individually packaged in a plastic bag (1pc per bag),
it can order from 1pc.