

◆ L Series split core current transformer

(Lock type Cable output Suspension installation)

Measure current range: 5A~120A

Max. measure current

Work voltage: 720V

Model of cable: AWG22(UL-1007)

Flame resistance: UL94-V0

Operation temperature: -25°C~+60°C

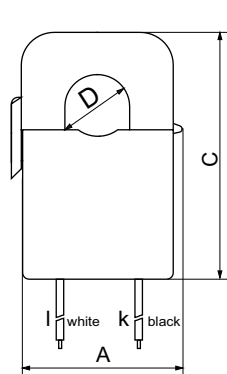
Storage temperature: -30°C~+90°C

Dielectric strength: AC 3500V/1min
(between output and shell)

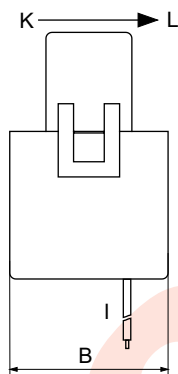
Isolation resistance: >100MΩ(500V DC)
(between primary and secondary)



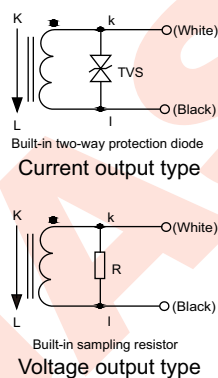
Dimensions:



Front view



Side view

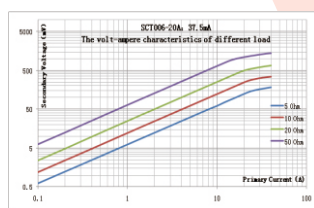


Schematic diagram

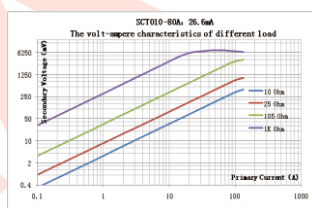
| Size: in(mm) | | | | |
|--------------|------|------|----|----|
| Model | A | B | C | ΦD |
| SCT006 | 16.5 | 19 | 29 | 6 |
| SCT010 | 22.8 | 25.8 | 40 | 10 |
| SCT016 | 29.5 | 31 | 46 | 16 |
| SCT016S | 29.5 | 31 | 46 | 16 |

*SCT006 secondary cable are red and white color

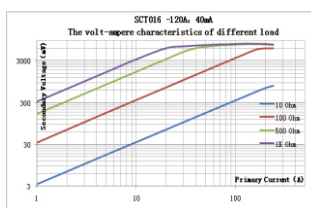
Typical graph:



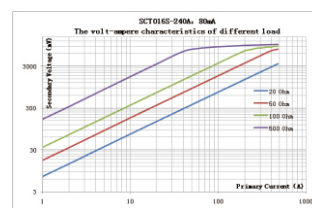
SCT006



SCT010



SCT016



SCT016S

Technical parameter table: Design according to customer's requirements into voltage type or current type

| Model | Rated measure current | Max. measure current | Secondary turns | Accuracy | Rated output | Sampling resistance | Work frequency | Secondary impedance | Phase offset | Material of core | Weight |
|---------|-----------------------|----------------------|-----------------|----------|--------------|---------------------|----------------|---------------------|--------------|---------------------|--------|
| SCT006 | 20A | 24A | 800±2T | 1 | 25mA | 5.1Ω | 50-1KHz | 70Ω±10Ω | +1.5±1° | Ferrite | 15 |
| SCT010 | 80A | 120A | 3000±2T | 0.5/1 | 26.6mA | 10Ω | 50-1KHz | 350Ω±35Ω | +1.5±1° | Ferrite | 45 |
| SCT016 | 120A | 160A | 3000±2T | 0.5/1 | 40mA | 10Ω | 50-1KHz | 300Ω±30Ω | +1±1° | Ferrite | 70 |
| SCT016S | 150A | 200A | 3000±2T | 0.5/1 | 40mA | 10Ω | 50-60Hz | 327Ω±33Ω | +1±1° | Silicon steel sheet | 85 |

◆ L Series split core current transformer

(Lock type Cable output Suspension installation)

Measure current range: 5A~600A

Max. measure current

Work voltage: 720V

Flame resistance: UL94-V0

Operation temperature: -25℃~+60℃

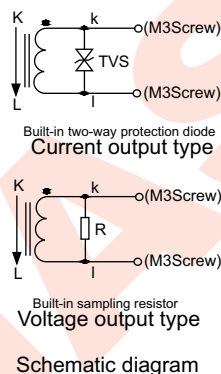
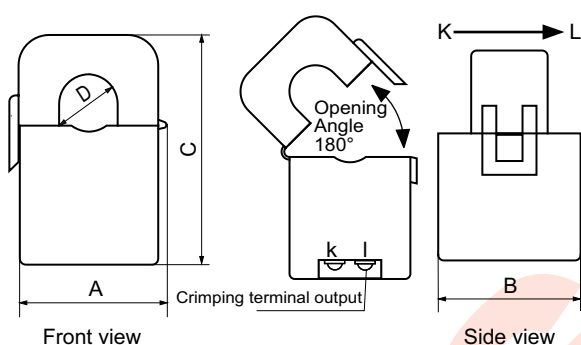
Storage temperature: -30℃~+90℃

Dielectric strength: AC 3500V/1min
(between output and shell)

Isolation resistance: >100MΩ(500V DC)
(between primary and secondary)

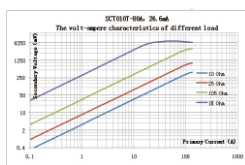


Dimensions:

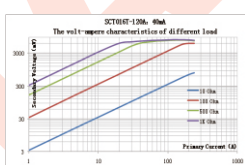


| Model | Size: in(mm) | | | |
|----------|--------------|------|----|----|
| | A | B | C | ΦD |
| SCT010T | 23 | 26 | 50 | 10 |
| SCT016T | 29.5 | 31 | 55 | 16 |
| SCT016TS | 29.5 | 31 | 55 | 16 |
| SCT024TS | 46 | 34.2 | 75 | 24 |
| SCT036TS | 57 | 40.5 | 91 | 36 |

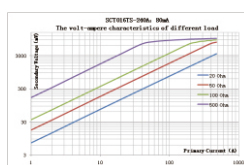
Typical graph:



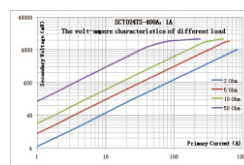
SCT010T



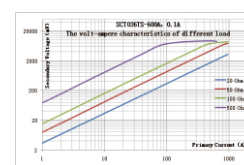
SCT016T



SCT016TS



SCT024TS



SCT036TS

Technical parameter table: Design according to customer's requirements into voltage type or current type

| Model | Rated measure current | Max. measure current | Secondary turns | Accuracy | Rated output | Sampling resistance | Work frequency | Secondary impedance | Phase offset | Material of core | Weight |
|----------|-----------------------|----------------------|-----------------|----------|--------------|---------------------|----------------|---------------------|--------------|---------------------|--------|
| SCT006T | 20A | 24A | 800±2T | 1 | 25mA | 5.1Ω | 50-1KHz | 70Ω±10Ω | +1.5±1° | Ferrite | 15g |
| SCT010T | 80A | 120A | 3000±2T | 0.5/1 | 26.6mA | 10Ω | 50-1KHz | 350Ω±35Ω | +1.5±1° | Ferrite | 45g |
| SCT016T | 120A | 160A | 3000±2T | 0.5/1 | 40mA | 10Ω | 50-1KHz | 300Ω±30Ω | +1±1° | Ferrite | 70g |
| SCT016TS | 150A | 200A | 3000±2T | 0.5/1 | 50mA | 10Ω | 50-60Hz | 327Ω±33Ω | +1±1° | Silicon steel sheet | 85g |
| SCT024TS | 400A | 480A | 4000±3T | 0.5/1 | 100mA | 8Ω | 50-60Hz | 295Ω±30Ω | +0.5±0.5° | Silicon steel sheet | 204g |
| SCT036TS | 600A | 650A | 6000±5T | 0.5/1 | 100mA | 5Ω | 50-60Hz | 286Ω±30Ω | +0.5±0.5° | Silicon steel sheet | 314g |

◆ QT Series split core current transformer

(Rectangle hole Crimping terminal output Suspension or sub-plate type installation)

Measure current range: 5A~5000A

Max. measure current: 6000A

Phase offset: $\leq 30'$

Work voltage: 720V

Model of cable: AWG22(UL-1007)

Flame resistance: UL94-V0

Operation temperature: $-25^{\circ}\text{C}\sim+60^{\circ}\text{C}$

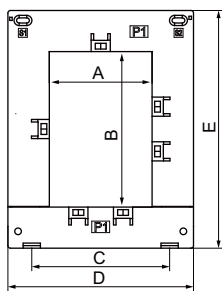
Storage temperature: $-30^{\circ}\text{C}\sim+90^{\circ}\text{C}$

Dielectric strength: AC 3500V/1min
(between output and shell)

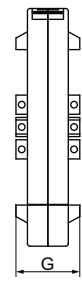
Isolation resistance: $>100\text{M}\Omega(500\text{V DC})$
(between primary and secondary)



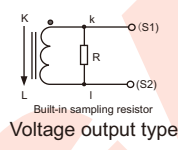
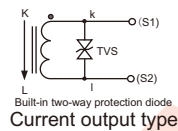
Dimensions:



Front view

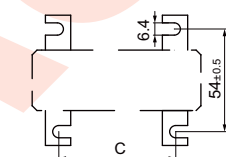


Side view



Schematic diagram

| Size: in(mm) | | | | | | |
|--------------|-----------|-----------|-----------|---------|---------|-----------|
| Model | A | B | C | D | E | G |
| SCT6040QT | 42 | 62 | 75 | 114 | 140 | 70 |
| SCT8050QT | 51 | 81 | 77.5 | 115 | 148 | 54 |
| SCT8080QT | 81 | 81 | 107.5 | 145 | 148 | 54 |
| SCT12080QT | 80.5 | 121.8 | 108 | 145.5 | 192.5 | 54 |
| SCT16080QT | 81 | 161.5 | 112 | 185 | 245.2 | 70 |
| SCT13050QT | 51 | 131 | 81.5 | 121 | 203 | 66 |
| SCT22080QT | 81 | 221 | 112 | 185 | 305 | 70 |
| Tolerance | ± 0.5 | ± 0.5 | ± 0.5 | ± 1 | ± 1 | ± 0.3 |



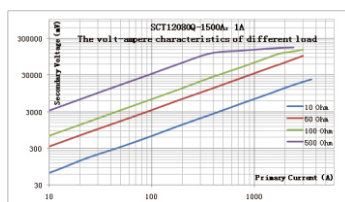
Sub-plate mount, feet size

Technical parameter table:

Design according to customer's requirements into voltage type or current type

| Model | Output power (VA) | Accuracy grade (%) | Output:1A | | | Output:5A | |
|------------|-------------------|--------------------|-----------|------|------|-----------|---|
| | | | 0.5 | 1 | 3 | 0.5 | 1 |
| SCT6040QT | 250 | 1.5 | 2.5 | 3.75 | 1.5 | 2.5 | |
| | 600 | 3.75 | 7.5 | 10 | 5 | 7.5 | |
| | 1000 | 5 | 10 | 15 | 7.5 | 10 | |
| | 1500 | 7.5 | 10 | 20 | 10 | 15 | |
| | 2000 | 10 | 15 | 25 | 15 | 20 | |
| SCT8050QT | 250 | 1.5 | 2.5 | 5 | 1.5 | 2.5 | |
| | 400 | 2 | 3.75 | 7.5 | 2.5 | 5 | |
| | 500 | 2.5 | 5 | 7.5 | 3.75 | 5 | |
| | 800 | 3.75 | 5 | 10 | 5 | 7.5 | |
| | 1000 | 5 | 7.5 | 10 | 5 | 10 | |
| SCT8080QT | 250 | --- | 1.5 | 2.5 | --- | 1.5 | |
| | 400 | 1.5 | 2.5 | 5 | 1.5 | 2.5 | |
| | 500 | 2.5 | 3.75 | 5 | 2.5 | 5 | |
| SCT12080QT | 800 | 2.5 | 5 | 7.5 | 2.5 | 5 | |
| | 1000 | 5 | 7.5 | 10 | 5 | 10 | |
| | 1500 | 7.5 | 10 | 15 | 7.5 | 10 | |
| | 600 | 2.5 | 3.75 | 5 | 2.5 | 3.75 | |
| | 800 | 2.5 | 3.75 | 5 | 2.5 | 5 | |
| SCT13050QT | 1000 | 2.5 | 5 | 7.5 | 2.5 | 5 | |
| | 1500 | 5 | 7.5 | 10 | 5 | 7.5 | |
| | 2000 | 7.5 | 10 | 15 | 7.5 | 10 | |
| | 1000 | 5 | 10 | 15 | 5 | 7.5 | |
| | 1500 | 7.5 | 10 | 15 | 7.5 | 10 | |
| SCT16080QT | 2000 | 7.5 | 15 | 20 | 10 | 15 | |
| | 2500 | 7.5 | 15 | 25 | 10 | 15 | |
| | 3000 | 10 | 20 | 25 | 15 | 20 | |
| | 3500 | 10 | 20 | 30 | 15 | 20 | |
| | 4000 | 10 | 25 | 30 | 20 | 25 | |
| SCT22080QT | 1000 | 5 | 7.5 | 10 | 5 | 7.5 | |
| | 1500 | 5 | 7.5 | 10 | 5 | 7.5 | |
| | 2000 | 7.5 | 10 | 15 | 7.5 | 10 | |
| | 2500 | 7.5 | 10 | 15 | 7.5 | 10 | |
| | 3000 | 10 | 15 | 20 | 10 | 15 | |
| | 3500 | 10 | 15 | 20 | 10 | 20 | |
| | 4000 | 15 | 20 | 25 | 15 | 20 | |
| 5000 | 15 | 20 | 25 | 15 | 25 | | |

Typical graph:



SCT12080QT