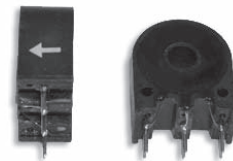


# CURRENT SENSING TRANSFORMER

ACST-01-08, ACST-120-X



RoHS / RoHS II Compliant



## FEATURES:

- Precise Current Sensing
- UL94V0 Package

## OPTIONS:

- Bulk packaging is standard
- Custom design available

## APPLICATIONS:

- SMPS
- Current Sensing

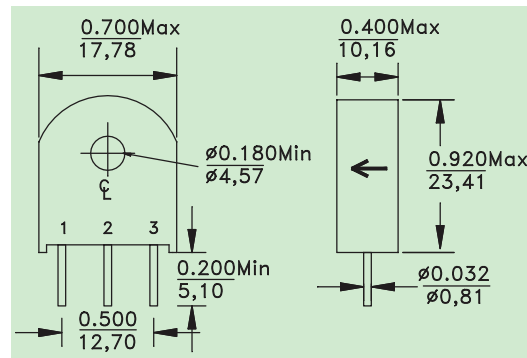
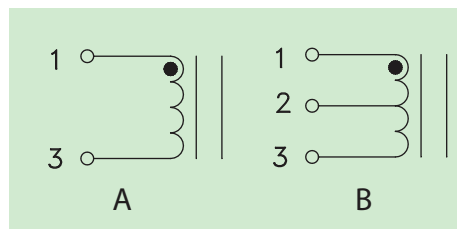
## STANDARD SPECIFICATIONS (Secondary Winding):

| Part Number | OCL (mH Min) | Turns ( $\pm 2\%$ Max) | DCR ( $\Omega$ Max) | ET (V- $\mu$ Sec Max) | Schematic |
|-------------|--------------|------------------------|---------------------|-----------------------|-----------|
| ACST-001    | 5            | 50                     | 0.7                 | 150                   | A         |
| ACST-002    | 20           | 100                    | 1.4                 | 300                   | A         |
| ACST-003    | 80           | 200                    | 4.5                 | 600                   | A         |
| ACST-004    | 180          | 300                    | 11                  | 900                   | A         |
| ACST-005    | 5            | 50CT                   | 0.7                 | 150                   | B         |
| ACST-006    | 20           | 100CT                  | 1.4                 | 300                   | B         |
| ACST-007    | 80           | 200CT                  | 4.5                 | 600                   | B         |
| ACST-008    | 180          | 300CT                  | 11                  | 900                   | B         |

## TECHNICAL INFORMATION:

- Testing Frequency: 15.75KHz 0.1 VRMS
- Hipot: 2000VRMS, Primary to Secondary
- Maximum Sensing Current: 20A p-p
- All secondary measurements are pins 1-3

## PHYSICAL CHARACTERISTICS:



| Part number  | OCL (mH Min) | Turns ( $\pm 2\%$ Max) | DCR ( $\Omega$ Max) | Schematic |
|--------------|--------------|------------------------|---------------------|-----------|
| ACST-120-1   | 5            | 50                     | 0.7                 | A         |
| ACST-120-2   | 20           | 100                    | 1.4                 | A         |
| ACST-120-3   | 80           | 200                    | 4.5                 | A         |
| ACST-120-4   | 180          | 300                    | 11                  | A         |
| ACST-120-5   | 2000         | 1000                   | 50                  | A         |
| ACST-120-6   | 5            | 50CT                   | 0.7                 | B         |
| ACST-120-7   | 20           | 100CT                  | 1.4                 | B         |
| ACST-120-8   | 80           | 200CT                  | 4.5                 | B         |
| ACST-120-9   | 180          | 300CT                  | 11                  | B         |
| ACST-120-10  | 2000         | 1000CT                 | 50                  | B         |
| ACST-120-10A | 2000         | 2000                   | 110                 | A         |

## TECHNICAL INFORMATION:

- Hipot: 2000VRMS, Primary to Secondary
- All secondary measurements are pins 1-3
- Turns ratio (Secondary to Primary) for CT:  $\pm 2\%$
- Max sensing current @ 20AP-P
- OCL test at 60Hz, 1.0VRMS

## PHYSICAL CHARACTERISTICS:

