

## APP-00028 AC Current Transformer

### Features

- √ High Accuracy
- √ Low Phase Angle Error
- √ Small Size
- √ Nickel Alloy Core

### Applications

- √ Watt-hour meters
- √ Power Monitoring
- √ Current Measurements
- √ Over/Under Current Sensing

### Specifications

Continuous Current Rating: 60 Amps  
 Over Current: 60 Times  
 Frequency: 50/60Hz  
 Insulation Resistance: 100MΩ @ 500Vdc  
 High Pot: 2KV  
 Operating Temperature: -25°C to 55°C  
 Case Material: ABS Thermoplastic  
 Construction: Epoxy Encapsulated  
 Overall size: 3"W x 1.5"D x 2.3"H  
 Conductor Thru Hole Diameter: 0.505"  
 Mounting Holes (2): 0.203" Diameter (#10)  
 Terminal Size: 10-32 x 1/2" Height



### Accuracy

Linearity Error with 100Ω termination resistor:

- 0.25A to 1.5A = ±0.22%
- 1.5A to 130A = ±0.2%
- 130A to 170A = ±0.29%

Max Phase Angle Error

- 0.25A to 1.5A = ±10 Minutes
- 1.5A to 130A = ±8 Minutes
- 130A to 170A = ±6 Minutes

### Ordering Information

Part Number = APP-00028-XXXmV  
 XXX = Millivolt Output with 5 Amps Thru Primary  
 Example: 5A with 62.5Ω Resistor = 125mV or 5A with 250Ω Resistor = 500mV

### Primary Current vs. Output Voltage

