

AC1050 • 50 Amp Current Transformer

Low Cost 50/60Hz Current Transformers

Applications

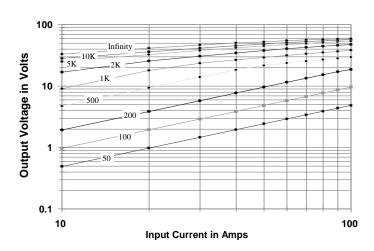
- · Sensing Overload Current
- Ground fault detection
- Metering
- Analog to Digital Circuits
- Competitive pricing due to high volume production
- Manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- Fully RoHS compliant

Electrical Specifications @ 20°C ambient

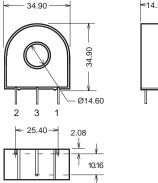
Electrical Specifications		
Primary Current	50A nom., 125A max.	
Turns Ratio	1000:1 nominal	
Volt per Amp Ratio at 50A for 100 ohm load	0.100 V/A	
Volt per Amp Ratio at 5A for 100 ohm load	0.098 V/A	
DC Resistance at 20°C	49.3 ohms	
Dielectric Withstanding Voltage (Hi-pot)	4KVrms	

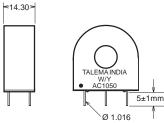
Mechanical Specifications	
Polycarbonate	
Ероху	
Conforms to UL94-VO	
Pins Ø 1.0mm	
TALEMA Date Code (W/Y) AC1050, Dot at start pin	
47.3 grams	
±0.2mm	

Output Volts vs Input Current For various ohmic loads



Dimensions

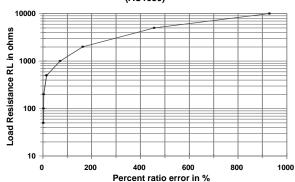




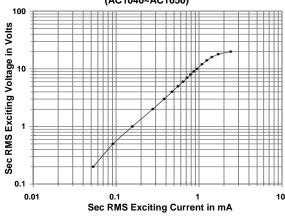


Environmental Specifications	
Storage Temperature	-55° to +130°C
Insulation Resistance	100 megohms min.

%RE vs RL at Rated primary current (AC1050)



Typical Excitation Curve (AC1040~AC1050)



Notes:

- 1) Unless requested, the terminating resistor and the one-turn primary are not supplied
- 2) Pin 3: Normally for mechanical support only but will be used on center tapped designs

