

- **Product Name** : 30 AMP. CURRENT TRANSFORMER
- **Model** : SET2610-2500-30A
- **Product Type** : CURRENT TRANSFORMER
- **Features** :
 - Designed and developed as per European Standards IEC : 62053-21 / IS: 13779
 - Current Transformer with PC Housing for better insulation and environmental protection.
 - Variants available in Self Wire (Flying Leads) or PCB Mounting Type CT.

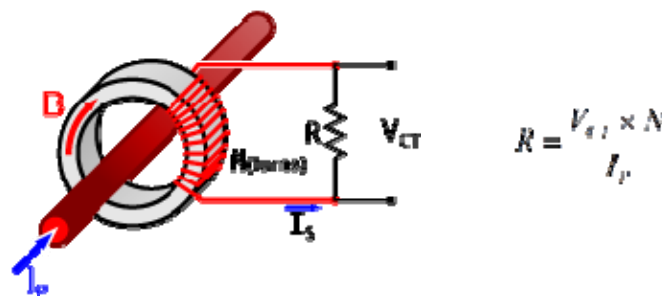
- **Applications:**
 - Energy Meters
 - Electronic Circuit Breaker
 - Current Sensors
 - Motor Speed Controllers

• **Specifications:**

- 1) Basic Primary Current (I_b) : 5 Amp.
- 2) Maximum Primary Current (I_{max}) : 30 Amp.
- 3) Secondary Current : 12 mA.
- 4) Winding Ratio : 1:2500
- 5) Frequency : 50 Hz
- 6) Accuracy Class : 1.0
- 7) Recommended Burden Resistance (R_u) : 75 Ohms @ $V_{out} = 0.9$ Volts. Maximum Value: 786 Ohms. (As per Eqn. $R = V_{ct} \times N / I_p$)*.
- 8) Recommended Burden Resistance (R_a) : Maximum Value: 1637 Ohms. For Analog Interface using bridge rectifier and bulk capacitor.
- 9) Insulation – Pri & Sec : 5000V
- 10) Insulation – Pri,Sec & Earth : ≥ 1000 M Ω
- 11) Operating & Storage Temp. : $-40^\circ\text{C} \sim +85^\circ\text{C}$
- 12) Humidity : $\leq 90\%$
- 13) Mounting Type / Housing (Optional) : Self (Flying) Wire-Without Dabbi / Self (Flying) Wire-With Dabbi / PCB Mounting-With Dabbi.
- 14) Dimensions (I.D. X O.D. X H in mm.) : (With Dabbi)- 8.4 X 30 X 21.5



*Here V_{ct} is considered as the CT secondary voltage signal required to feed the AtoD converter of uC and it is assumed to be less than absolute maximum rating of input pin of AtoD converter. Kindly keep $V_{ct} = V_{out}$ below 1 Volts for accurate reading this implies that lower value of burden resistance helps increase accuracy. Using higher bit ADC increases the precision level. Kindly select at your discretion.



All Dimensions are in MM.

