**Schematic:**

![Schematic Diagram]

**Electrical Specification:**

- Rated input current = 5Amps
- Primary to Secondary isolation = 2500VAC
- Operating Frequency = 50 / 60 Hz
- Turns Ratio = 1 : 1000
- DC Resistance = 41.80 Ω
- Output Voltage = 0.5V @ 5A / 100Ω, 0.0025W
- Io @ Vrms : 0.66V = 237µArms
- Ratio Correction factor (RCF*) = 1.01 @ 10% (Multiply current reading by this factor to compensate for transformer losses)

**Output Response vs Input Current @ Rated Burden:**

![Output Response Graph]

- Volt/Amp at rated Ip for different loads
  - 100Ω: 0.10
  - 500Ω: 0.46
  - 2000Ω: 1.43
  - 5000Ω: 2.01

**Mechanical Specification:**

- Top View (Suggested Pad Layout)
  - 3xØ1.00
  - 23.80
  - 15.24
- Front View
  - Ø9.50
  - Marking Area
  - 3xØ0.08
  - 23.80
  - 7.62

All dimensions are in mm

Linear dimensional tolerance ±0.2mm

Note: Un-Used pin → #3
**TYPICAL EXCITATION CURVE:**

![Graph showing typical excitation curve]

**RATIO ERROR (%) vs RATED BURDEN @ INPUT CURRENT:**

![Graph showing ratio error vs rated burden]

**TRAFO WEIGHT:**

Approx. Weight = 0.0163 kg / pc

**MARKING INFORMATION:**

Amgis
CT1005
Yr/Wk code

Dot mark for Start pin identification

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