

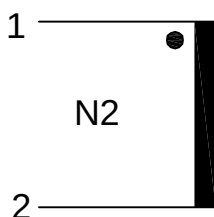


# AMGIS

CT Series • Current Sensor for 50/60 Hz

|              |                     |
|--------------|---------------------|
| Part Number  | CT 1005             |
| Customer     |                     |
| Product Type | Current Transformer |

### SCHEMATIC:



### ELECTRICAL SPECIFICATION:

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| — Rated input current            | : 5Amps                                                                                     |
| — Primary to Secondary isolation | : 2500VAC                                                                                   |
| — Operating frequency            | : 50 / 60Hz                                                                                 |
| — Turns ratio                    | : 1:1000                                                                                    |
| — DCR                            | : 41.80Ω                                                                                    |
| — $I_o @ V_{rms} = 0.66V$        | : 237μArms                                                                                  |
| — Ratio correction factor (RCF*) | : 1.01 @10% ( Multiply current reading by this factor to compensate for transformer losses) |
| — Operating temperature range    | : -55°C to 120°C                                                                            |
| — Flammability rating            | : UL 94V0                                                                                   |

| Volt/Amp at rated $I_p$ for different loads |      |       |       |
|---------------------------------------------|------|-------|-------|
| 100Ω                                        | 500Ω | 2000Ω | 5000Ω |
| 0.10                                        | 0.46 | 1.43  | 2.01  |

### LOAD TEST DETAILS:

Rated  $I_p=5A$   
 $R_L=100\Omega/0.0025W$   
 $U_s=0.5V$

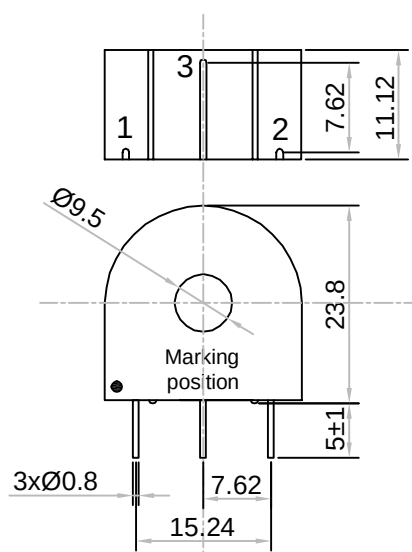
### MARKING INFORMATION:

AMGIS  
YY/WW CT1005

### Trafo Weight:

0.017Kg/pc

### MECHANICAL DIMENSIONS:



All dimensions are in mm  
Linear dimensional tolerance  $\pm 0.2mm$

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