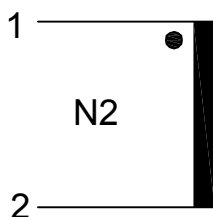




CT Series • Current Sensor for 50/60 Hz

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

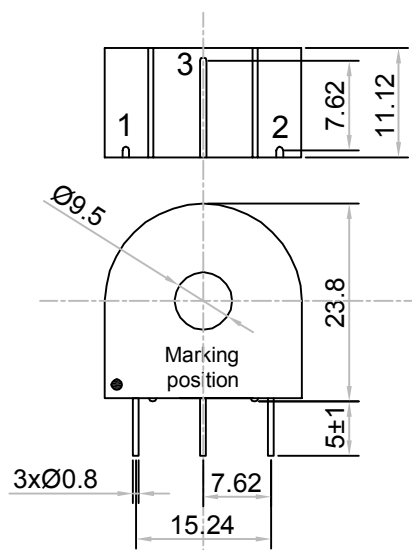
MARKING INFORMATION:

ALFAMAG
 ELECTRONICS
 YY/WW CT1005

Trafo Weight:

0.017Kg/pc

MECHANICAL DIMENSIONS:



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

AlfaMag Electronics * 10830 Kinghurst Dr. Houston, TX 77099
 Phone: 832-775-1318 * Fax: 832-775-1317* email: sales@alfamag.com
 Toll Free: 800-413-6693 * www.alfamag.com