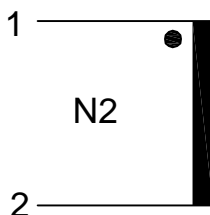




CT Series • Current Sensor for 50/60 Hz

Part Number	CT 1040
Customer	
Product Type	Current transformer

SCHEMATIC:



ELECTRICAL SPECIFICATION:

— Rated input current	: 40Amps
— Primary to Secondary isolation	: 2500VAC
— Operating frequency	: 50 / 60Hz
— Turns ratio	: 1:1000
— DCR	: 49.3Ω
— $I_o @ V_{rms} = 5.82V$: 914μArms
— Ratio correction factor (RCF*)	: 1.026 @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	0.87	1.05

LOAD TEST DETAILS:

Rated $I_p=40A$
 $R_L=100\Omega/0.16W$
 $U_s=4.0V$

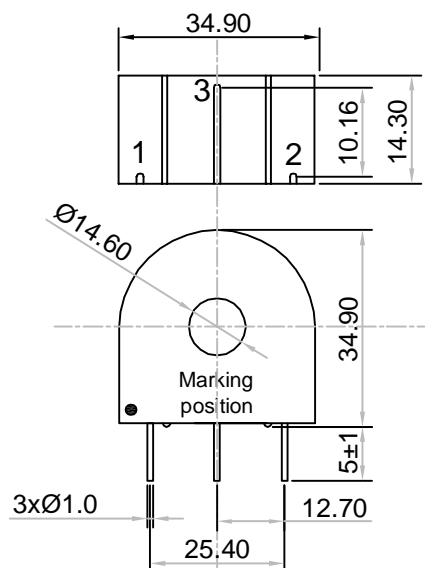
MARKING INFORMATION:

ALFAMAG
 ELECTRONICS
 YY/WW CT1040

Trafo Weight:

0.048Kg/pc

MECHANICAL DIMENSIONS:



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

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