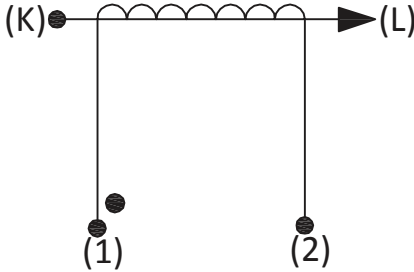




Product Type	Current Transformer
AMGIS Part Number	CT1040

SCHEMATIC:



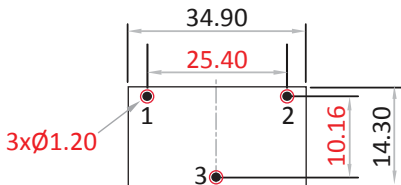
ELECTRICAL SPECIFICATION:

Rated input current	= 40Amps
Primary to Secondary isolation	= 2500VAC
Operating Frequency	= 50 / 60 Hz
Turns Ratio	= 1 : 1000
DC Resistance	= 49.30 Ω
Output Voltage	= 4.0V @ 40A / 100 Ω , 0.1600W
I_o @ V_{rms} : 5.82V	= 914 μ Arms
Ratio Correction factor (RCF*)	= 1.026@10% (Multiply current reading by this factor to compensate for transformer losses)

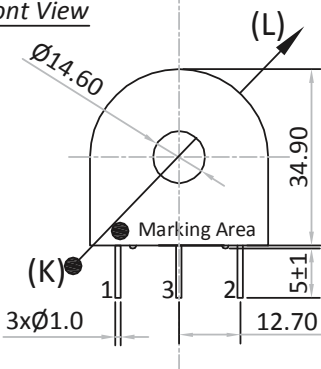
100 Ω	500 Ω	2000 Ω	5000 Ω
0.10	0.46	0.87	1.05

MECHANICAL SPECIFICATION :

Top View (Suggested Pad Layout)



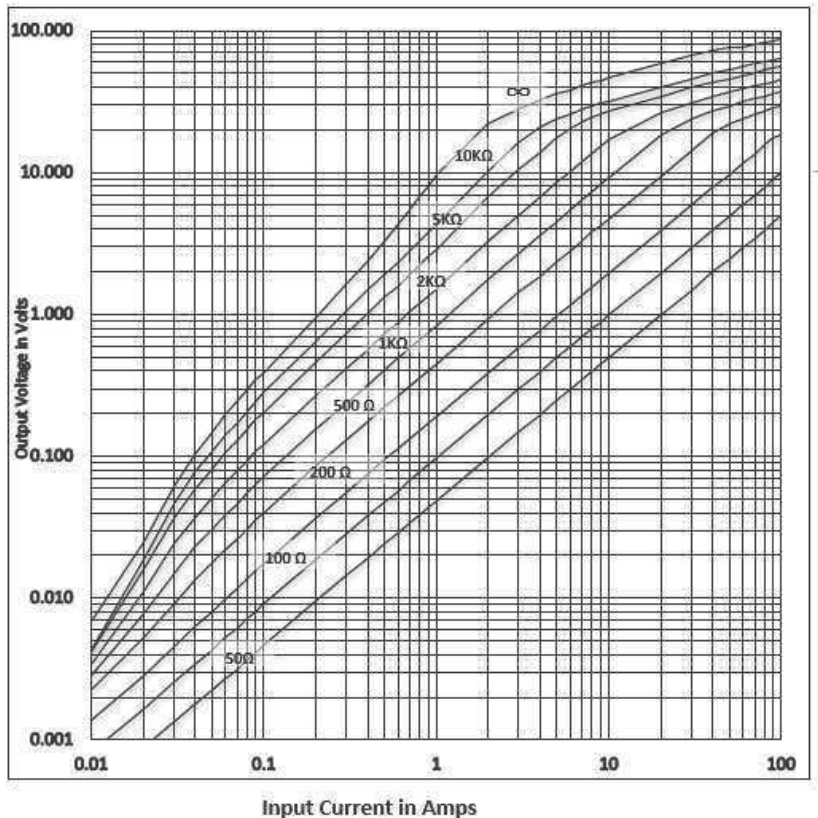
Front View



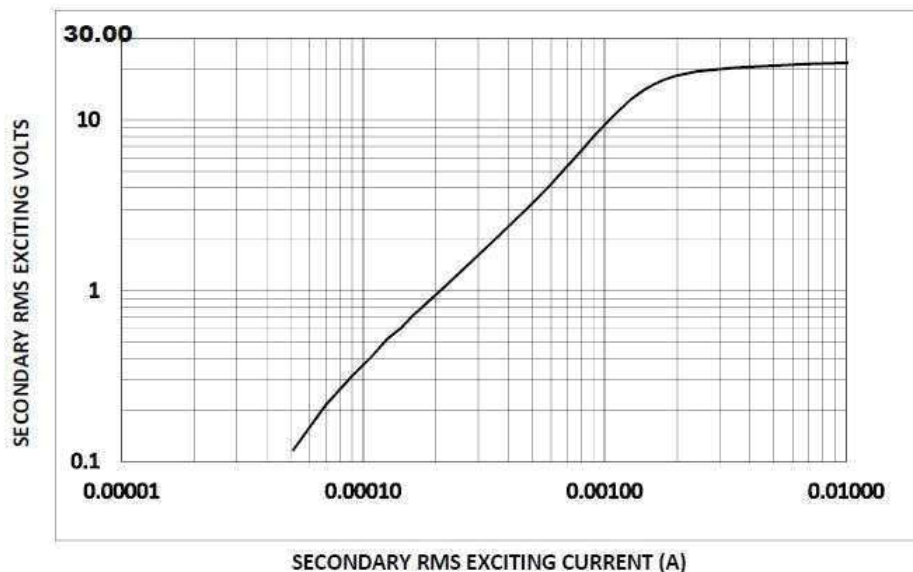
All dimensions are in mm
Linear dimensional tolerance \pm 0.2mm

Note : Un-Used pin \rightarrow #3

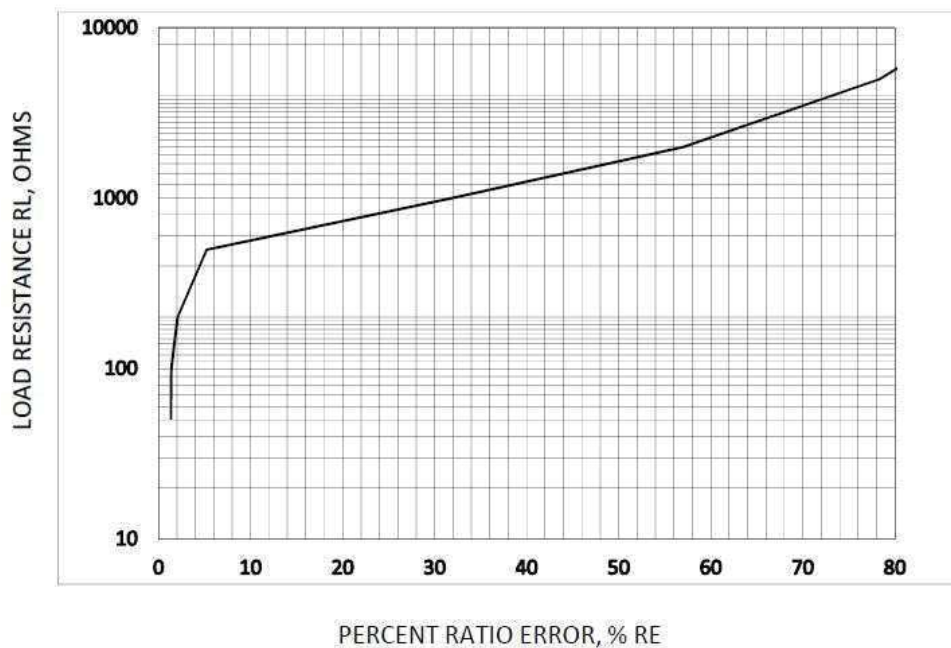
OUTPUT RESPONSE vs INPUT CURRENT @ RATED BURDEN :



TYPICAL EXCITATION CURVE :



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



TRAFO WEIGHT:

Approx. Weight = 0.0473 kg / pc

MARKING INFORMATION:

Amgis
CT1040
Yr/Wk code
●
Dot mark for Start pin identification

-----Initial Issue-----	1	0	Balaji. R	18-Nov'2015
Changes	Issue	Rev	Initial	Date