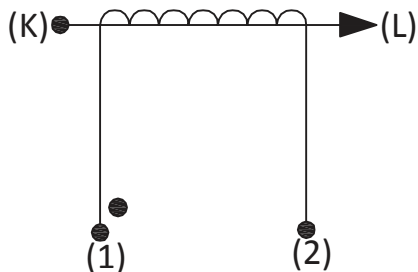


Product Type	Current Transformer
AMGIS Part Number	CT1050

SCHEMATIC:



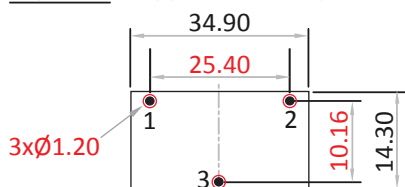
ELECTRICAL SPECIFICATION:

Rated input current	= 50Amps
Primary to Secondary isolation	= 2500VAC
Operating Frequency	= 50 / 60 Hz
Turns Ratio	= 1 : 1000
DC Resistance	= 49.30 Ω
Output Voltage	= 5.0V @ 50A / 100Ω, 0.1600W
Io @ Vrms : 7.28V	= 1090μArms
Ratio Correction factor (RCF*)	= 1.026@10% (Multiply current reading by this factor to compensate for transformer losses)

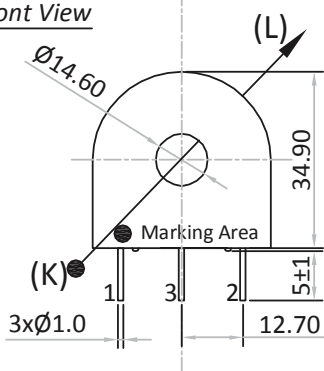
Volt/Amp at rated Ip for different loads			
100Ω	500Ω	2000Ω	5000Ω
0.10	0.43	0.76	0.90

MECHANICAL SPECIFICATION :

Top View (Suggested Pad Layout)



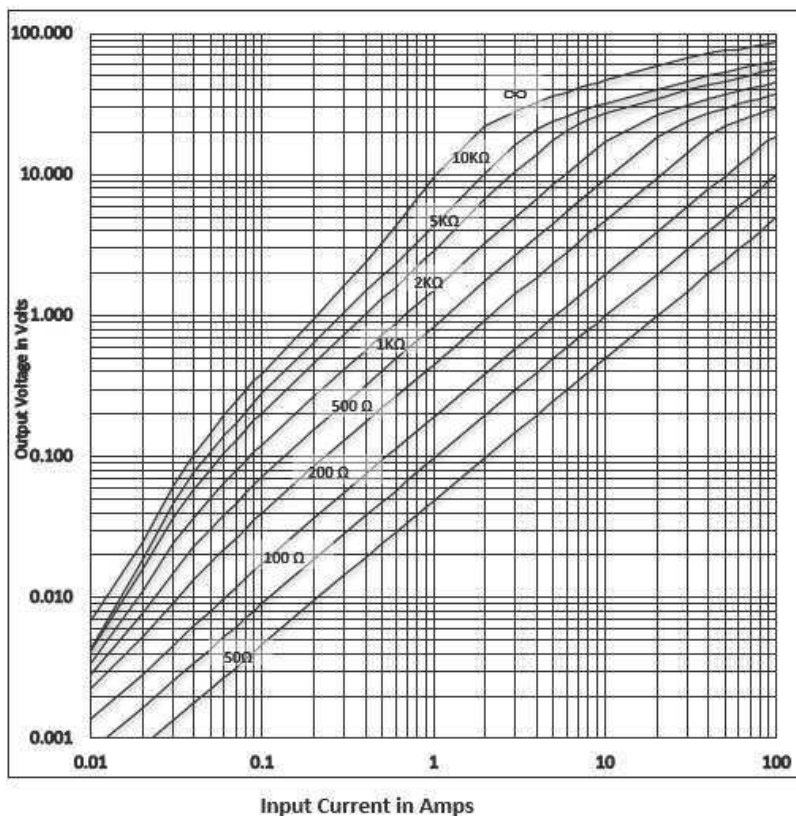
Front View



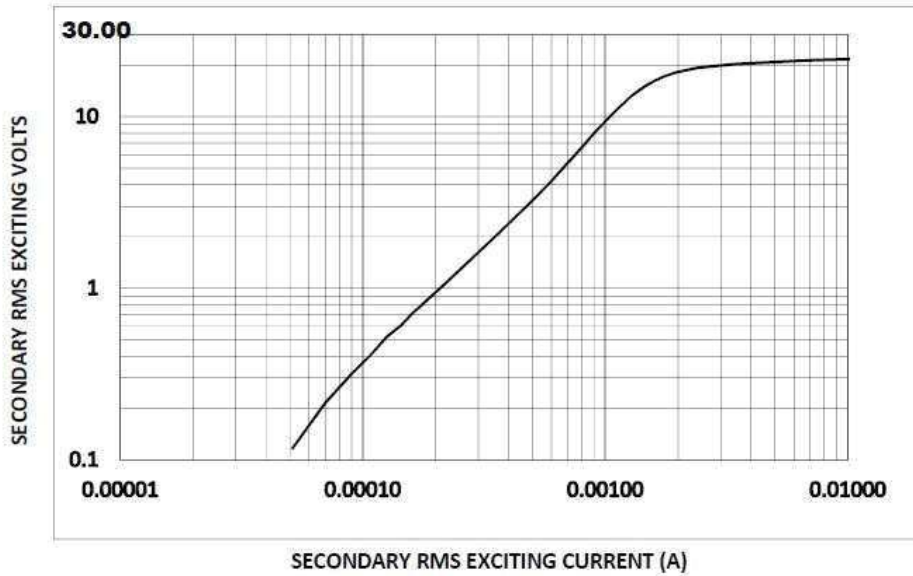
All dimensions are in mm
Linear dimensional tolerance ±0.2mm

Note : Un-Used pin → #3

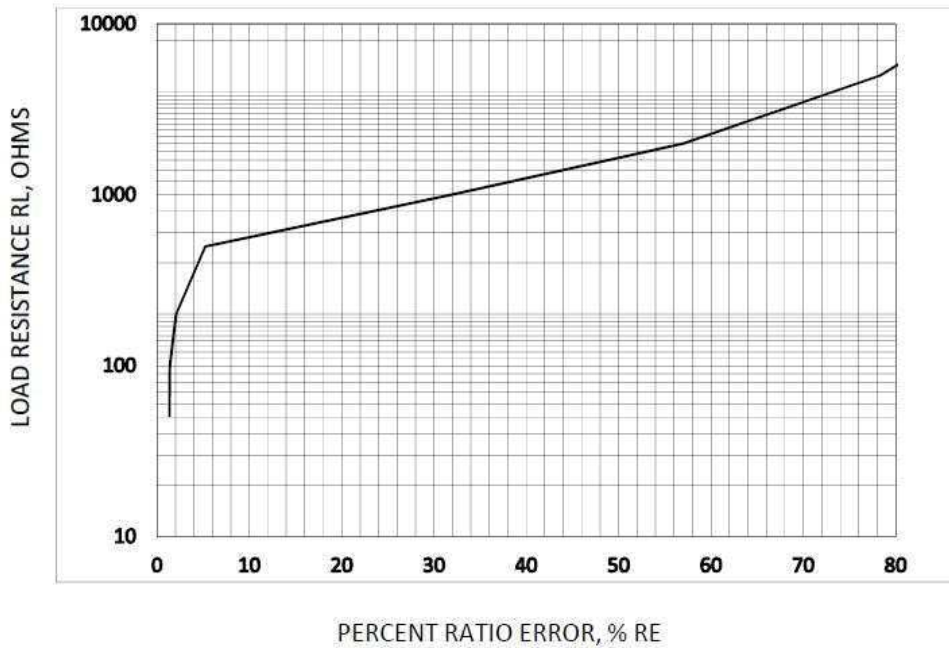
OUTPUT RESPONSE vs INPUT CURRENT @ RATED BURDEN :



TYPICAL EXCITATION CURVE :




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



TRAFO WEIGHT:

Approx. Weight = 0.0473 kg / pc

MARKING INFORMATION:

Amgis
 CT1050
 Yr/Wk code

 Dot mark for Start pin identification

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