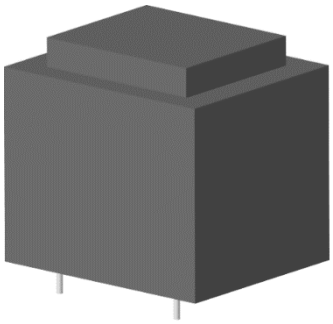
Current Transformer VT1342



Features
- Power transformer

Advantage
- -----

Applications
- Relay application

Application domain
- Commercial
- Industrial

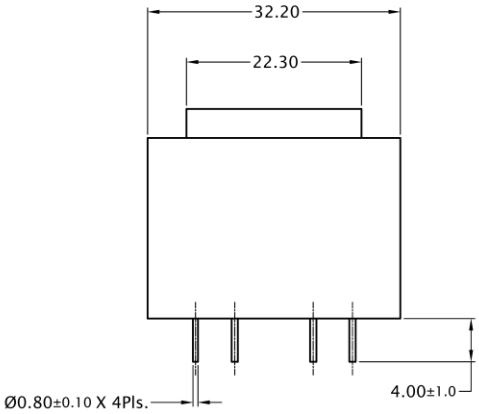
Specifications @ 25°C

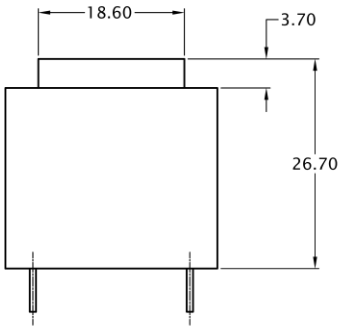
Parameters	Symbol	Value	Units
Voltage input nominal	V_{in}	400	V
Voltage input maximum	V_{im}	580	V
Voltage output	V_o	2.3	V
Operating frequency	f	50/60	Hz
Turns ratio	N	174: 1	---
Primary winding resistance	R_p	17.0 K – 19.5K	Ω
Secondary winding resistance	R_s	2.38 – 2.91	Ω
Recommended secondary burden resistance	R_b	3.3	KΩ
Inductance @ 0.3Vrms, 100Hz, parallel mode	L	-----	H
Operating temperature range	T_{opr}	-10 to +60	°C
Storage temperature range	T_{stg}	-10 to +60	°C
Dielectric strength between primary and secondary terminals, @ 50Hz, 60 seconds	V_d	4	kVrms
Mass	m	81	g

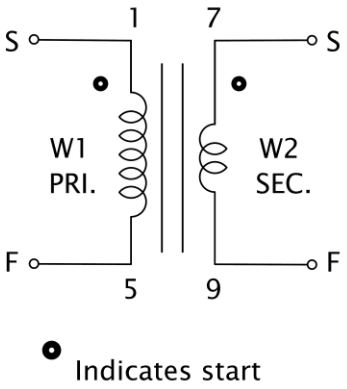
The transformer error values are guaranteed with recommended secondary burden resistance values. Contact ELECTROHMS design group for use of burden other than recommended secondary burden resistance.

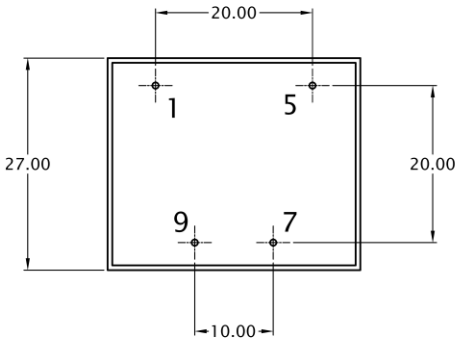
Mechanical dimensions

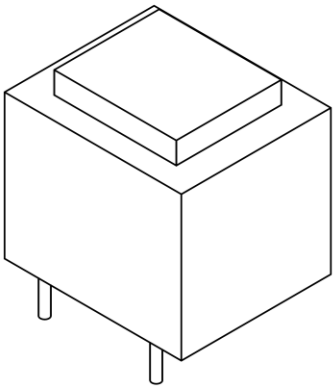
GENERAL TOL. ±0.5 mm	
ALL DIMENSIONS ARE IN 'mm'	SCALE -NTS











Termination Details	
Pin 1 & 7	Start
Pin 5 & 9	Finish

Notes:

- The start & finish of the transformer and winding schematic will be as shown in the figure.

Safety

- When operating the transformer will carry hazardous voltage.

General information:

Electrohms reserves the right to make modifications on products for improvements without prior notice.