

Primary Windings

Datasheet for PWHT04 mains transformer

The PWHT range of transformers are superb transformers for general purpose use. Using Grain Orientated M6 silicon steel, core losses are reduced.

All our wire is grade 2 enamelled copper wire. This ensures the insulation between turns is extremely high.

All our transformers are resin impregnated with a modern varnish that improves electrical insulation, heat conductance and reduces vibration.

Many cheaper transformers will push the flux density to the limit to reduce the copper used, and increase their margins. Here at Primary Windings we believe that the flux density should be set to allow for mains variations, and the reduction of external magnetic flux, that can cause problems with circuit layout, due to coupling with this stray flux. Lower flux density also allows the reduction of noise from the transformer.

We are proud of our designs, and work to ensure that we produce the best transformers transformers we can, ensuring they are still around years from now.

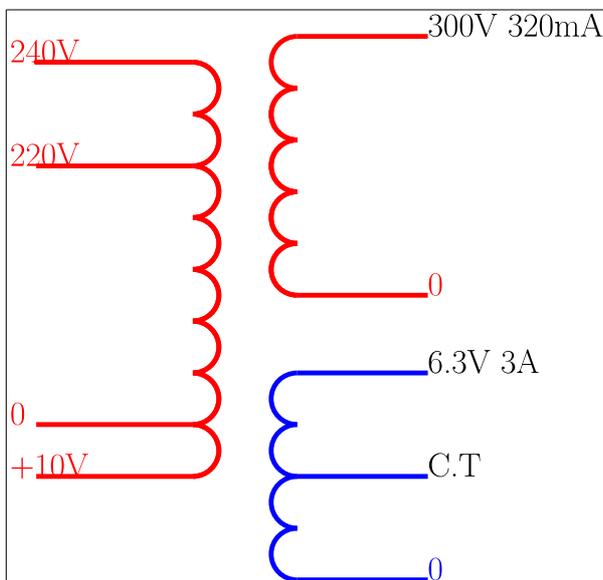
Our transformers for the European market have a +10V tap to allow a multitude of mains voltages to be catered for. The following table shows how to connect the available primary taps for various mains voltages.

Required mains voltage	Taps used
220V	0, 220V
230V	+10, 220V
240V	0, 240V
250V	+10, 240V

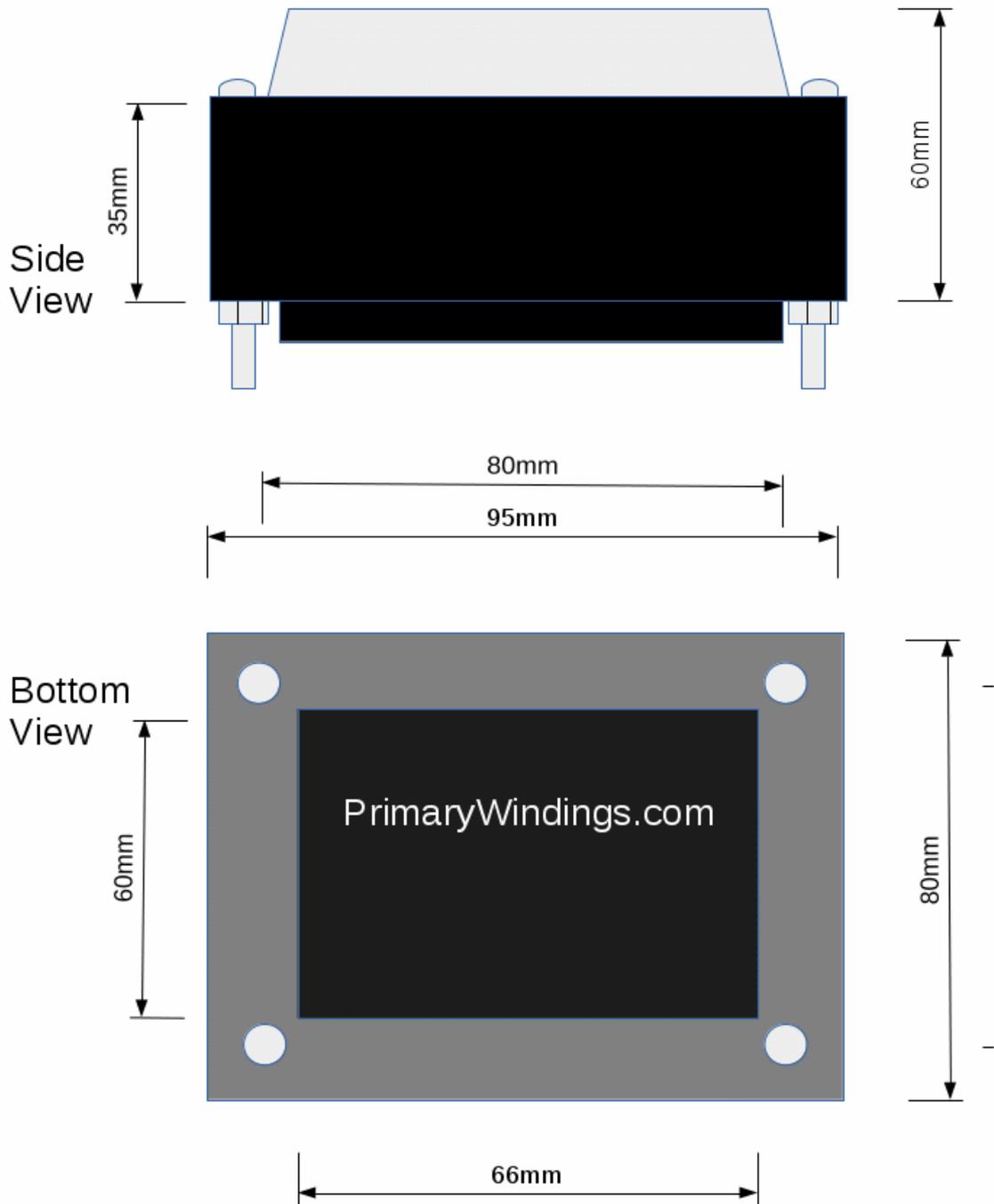
The PWHT04 transformer has the following secondaries:

Secondary voltage	Maximum current
300V	320mA
6.3V Centre tapped	3A

These voltages are rated at the full load current specified on all outputs. They are to an accuracy of +/- 10%



PWHT04 Drop Through Transformer drawing





Before you attempt to use this product please remember that there is a potential for electrocution due to the high voltages involved.

Please ensure you take all the usual precautions before attaching to the mains. Primary Windings assumes the user understands the requirements for safe use.