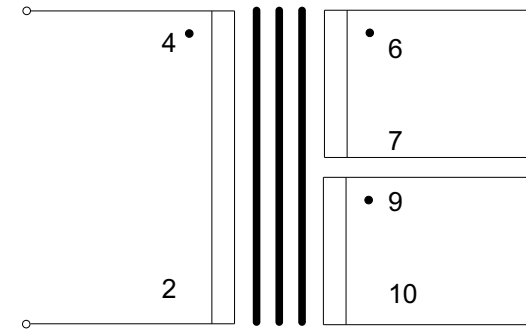


Pin view  
Suggested PCB layout



Electrical schematic

Electrical specification:

Ratio: 1:1:1

DC resistance ( +/-15%):

Primary: 0.55

Secondary 1: 0.48

Secondary 2: 0.63

Primary inductance (@100kHz, 0.1V,parallel): 2.5mH min.

Primary leakage inductance: 1.8uH nom.

Interwinding capacitance: 30pF nom.

Isolation: winding to winding: 1.5kVrms for 2 seconds

Voltage-time product: 180VuS

Bandwidth: 3kHz - 200kHz

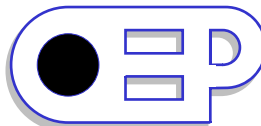
Creepage and clearance: 1.4mm min. (basic insulation)

Materials:

Bobbin: Nylon 46, 30% glass reinforced, e.g. Stanyl TE250 F6 UL file number E47960 class H or phenolformaldehyde glass-reinforced to UL94V-0, UL file number E41429(M) class H or equivalent.

Winding wire: grade 2 solderable class F minimum to IEC BS 60317-21e.g.Nexans Magnesol or equivalent.

Tape: Polyester film, e.g. 3M's No. 56 or No. 1350: thickness 0.06mm or Jingjiang Yahua type CT-280, UL file number E165111



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| DESCRIPTION             | ISSUE | DATE     | DRAWN | CHECKED | DRAWING NUMBER |
|-------------------------|-------|----------|-------|---------|----------------|
| Specification for PT6SM | 1     | 15/08/07 | CS    |         | <b>PT6SM</b>   |
|                         | 5     | 07/06/10 | CS    |         |                |
|                         | 6     | 29/09/10 | CS    |         |                |
|                         | 7     | 23/02/15 | CS    |         |                |

Scale: 2 to 1

All dimensions in mm unless stated otherwise