

**COLLECTION OF THE CTL DECISIONS
DECISION SHEET**

Standard(s)- (year and edition): IEC 60601-1:1988 Ed.2 Am1+Am2	Sub clause(s): General	Sheet n°: 537
Subject: PCB layer transformers,	Key words: PCB layer transformers	Decision taken at the 40 th meeting 2003
<p>Question:</p> <p>What requirements are needed for PCB layer transformers using etched windings?</p> <p>Decision:</p> <p>The requirements of the IEC 60601:1988 Ed.2 should be used with regard to creepage distances and isolation distances through thickness.</p> <p>Explanatory notes:</p> <p>This issue will be put forward to TC 66 and TC62 to deal with this specific problem. In the meantime a temperature cycling test according to IEC 60950 can be used for reference. Base for this test are the temperatures retrieved during normal condition tests calculated/adjusted to an ambient of 40 °C. It is important that the influence of the temperature of other components shall be taken into consideration. The minimum thickness through insulation can be taken as from IEC 60950, being 0,4 mm.</p>		