C O N T E N T S

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-: ILLUSTRATIVE FIGURES IN THIS DISSERTATION :-

FIGURE 1 Powrer Transformer

FIGURE 2 Stamping Sketch

FIGURE 3a Fit Factors

FIGURE 3b Transformer Cross-Section

FIGURE 4 Mean Magnetic Path Length

FIGURE 5 Mean Length of Turn

FIGURE 6a,b Transformer Cooling Surfaces

FIGURE 7 Meaning of factor H

FIGURE 8 Auto Transformer

FIGURE 9 Current Transformer

FIGURE 10 Impedance Transformer

FIGURE 10a Henna Curve

FIGURE 11 Rectifier Transformer

FIGURE 11a Graph (Vdc/Vrms) Vs (CR_L/1000)

FIGURE 12 Converter Transformer

FIGURE 13 Inverter Transformer

FIGURE 14 Pulse Transformer

FIGURE 15 Pot Core

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DATA TABLES

TABLE 1 EI Stamping Dimensions

TABLE 2 EI Core Qualities

TABLE 3 Turns Per Inch

TABLE 4 Insulation Paper Details

TABLE 5 EI Stamping Thickness

TABLE 6 Pot Cores With Relevent Parameters

TABLE 7 Copper Wire Details