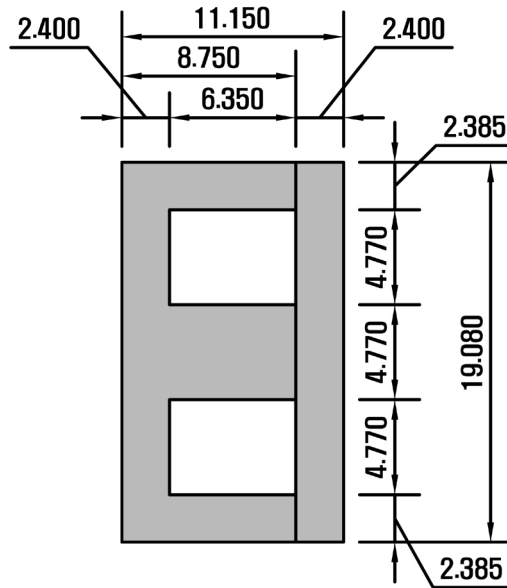




LAMINATION TYPE 186EI



TOLERANCE $\pm 0.08\text{mm}$

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAE

$$B_{\text{max}} = 1654 \times 10^3 / K_1 N (\text{gauss per Volt at 60 Cycle})$$

(N is number of turns)

$$H_o = (0.395 \times 10^{-3}) N \text{ Oersted per milliampere}$$

of direct current in windin

$$L = (0.0897 \times 10^{-8}) K_1 N^2 \mu \text{ ac Henries}$$

MAGNETIC PATH Dimension

$$l = 3.18\text{cm}$$

$$A = 0.227\text{cm}^2$$

K₁ (STACKING FACTOR)

| | Thickness | Butt jointed | Interleaved one per layer |
|--|-----------|--------------|---------------------------|
| | 0.1 | .90 | .80 |
| | 0.2 | .90 | .85 |
| | 0.35 | .95 | .90 |

| MATERIAL TYPE | THICKNESS(mm) | WEIGHT AND COUNT | |
|---------------|---------------|------------------|----------|
| | | g/pair | pairs/kg |
| PC(Ni80) | 0.35t | 0.466 | 2,145 |
| | 0.2t | 0.266 | 3,759 |
| PB(Ni45) | 0.35t | 0.44 | 2,272 |