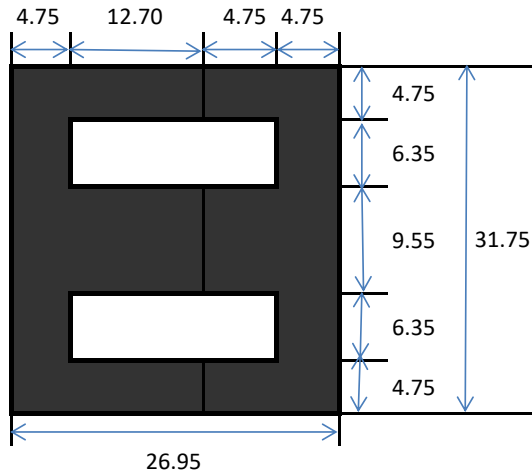




# LAMINATION

## EE-2627



Tolerance :  $\pm 0.08\text{mm}$

(All dimensions in mm)

### PROPERTIES OF SQUARE STACK

#### MAGNETIC DESIGN FORMULAR

$$B_{\max} = 412 \times 10^3 / K_1 N (\text{Gauss per Volt at 60Hz})$$

(N= Number of turns)

$$H_o = (0.188 \times 10^{-3}) N \text{ Oersted per milliampere}$$

of direct current in winding

$$L = (0.171 \times 10^{-8}) K_1 N^2 \mu \text{ ac Henries}$$

#### MAGNETIC PATH DIMENSION

$$l = 6.67 \text{ cm}$$

$$A = 0.91 \text{ cm}^2$$

#### K<sub>1</sub> (STACKING FACTOR)

| Thickness (mm) | Butt Jointed | Interleaved one per layer |
|----------------|--------------|---------------------------|
| 0.1            | 0.90         | 0.80                      |
| 0.2            | 0.90         | 0.85                      |
| 0.35           | 0.95         | 0.90                      |

| MATERIAL GRADE | THICKNESS(mm) | WEIGHT AND NUMBERS |        |
|----------------|---------------|--------------------|--------|
|                |               | g/pcs              | pcs/kg |
| PC (Ni80%Mo5%) | 0.345t (L)    | 1.1856             | 843    |
|                | 0.345t (S)    | 0.7312             | 1,368  |
| PB (Ni45~48%)  | 0.345t (L)    | 1.1178             | 895    |
|                | 0.345t (S)    | 0.6894             | 1,451  |