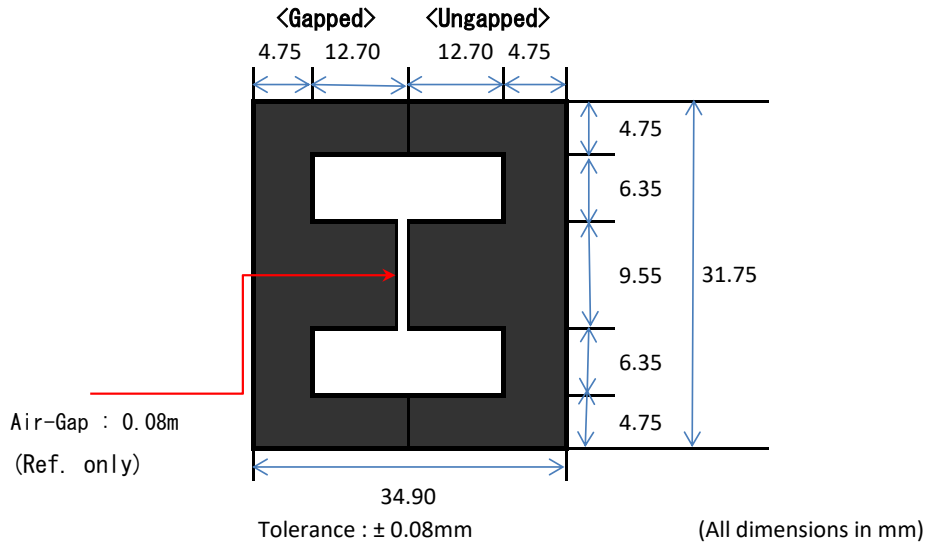




# LAMINATION

## EE-27



### PROPERTIES OF SQUARE STACK

#### MAGNETIC DESIGN FORMULAR

$$B_{max} = 1,137 \times 10^3 / K_1 N (\text{Gauss per Volt at 60Hz})$$

(N= Number of turns)

$$H_o = (0.263 \times 10^{-3}) N \text{ Oersted per milliampere}$$

of direct current in winding

$$L = (0.087 \times 10^{-8}) K_1 N^2 \mu \text{ ac Henries}$$

#### MAGNETIC PATH DIMENSION

$$l = 4.76 \text{ cm}$$

$$A = 0.33 \text{ cm}^2$$

#### 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)	1.1787	848
PB (Ni45~48%)	0.345t (L)	1.1383	879