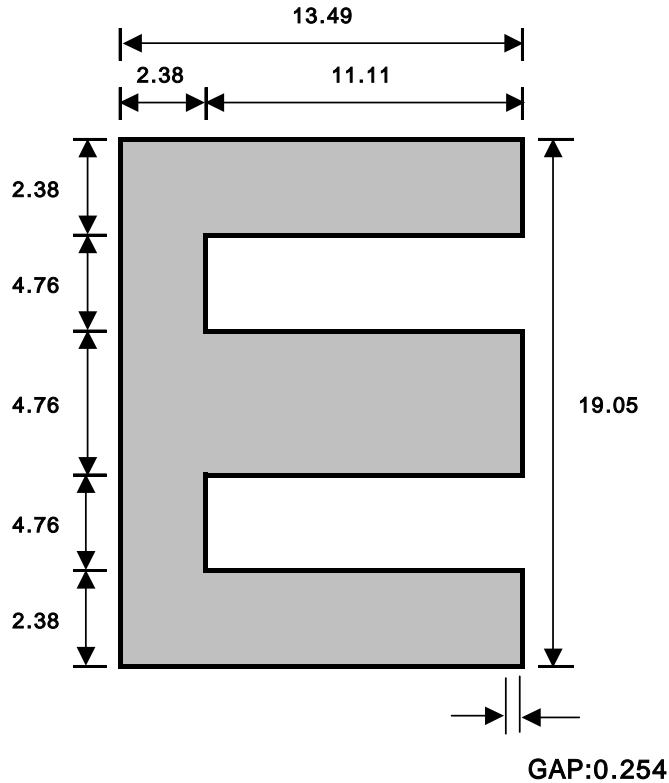




# 185LE(GAP)



TOLERANCE ± 0.08

**PROPERTIES OF SQUARE STACK**

**MAGNETIC DESIGN FORMULAE**

$$B_{max} = \frac{1654 * 10^3 \text{ gauss per Volt at 60Hz}}{K_1 N} \quad (N \text{ is number of turns})$$

$$H_0 = (0.344 * 10^{-3}) \text{ N Oersted per milliampere of direct current in winding}$$

$$L = (0.0781 * 10^{-8}) K_1 N^2 \mu \text{ ac Henries}$$

**MAGNETIC PATH DIMENSION**

$$l = 3.65 \text{ cm}$$

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

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

Thickness	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 TYPE	THICKNESS(mm)	WEIGHT & NUMBERS	
		GRAMS/PCS	PCS/KG
PC (NI 80%)	0.35T	0.1980	5,051