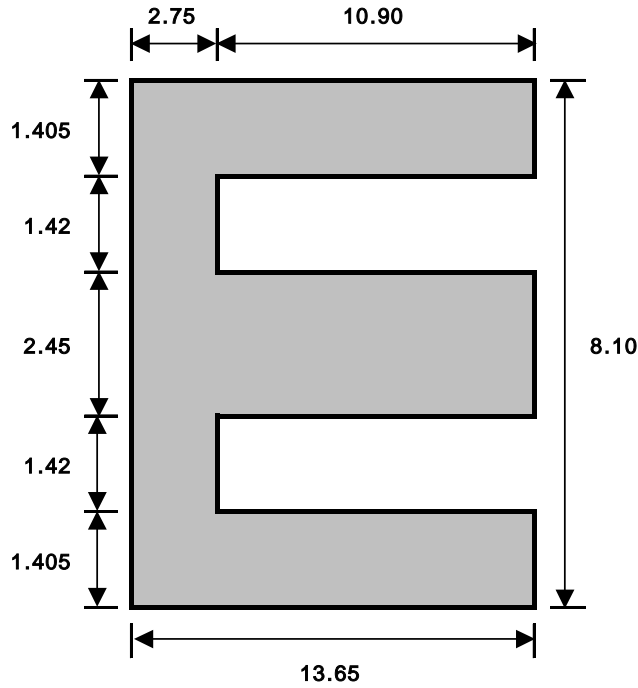




# ED - 8LE(8.1X13.65)



TOLERANCE  $\pm 0.08$

## PROPERTIES OF SQUARE STACK

### MAGNETIC DESIGN FORMULAE

$$B_{max} = \frac{6256 * 10^3 \text{ gauss per Volt at 60Hz}}{K_1 N} \quad (N \text{ is number of turns})$$

$$H_0 = (0.433 * 10^{-3}) N \text{ Oersted per milliampere of direct current in winding}$$

$$L = (0.0259 * 10^{-8}) K_1 N^2 \mu \text{ ac Henries}$$

### MAGNETIC PATH DIMENSION

$$l = 2.90 \text{ cm}$$

$$A = 0.06 \text{ cm}^2$$

#### $K_1$ (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%)	0.15T	0.1040	9,615
	0.2T	0.1360	7,353