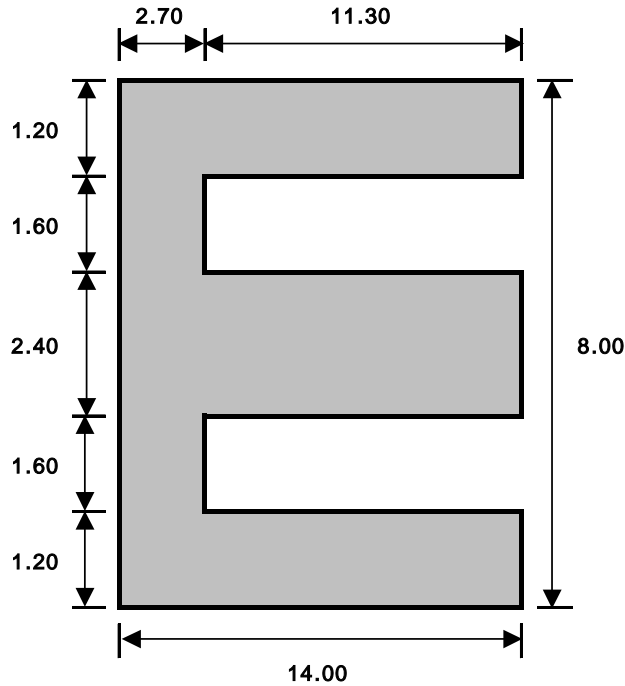




ED - 8LE(8X14)

SYEC  
CORE



TOLERANCE  $\pm 0.08$

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAE

$$B_{max} = \frac{6471 \cdot 10^3 \text{ gauss per Volt at 60Hz}}{K_1 N} \quad (N \text{ is number of turns})$$

$$H_0 = (0.422 \cdot 10^{-3}) N \text{ Oersted per milliampere of direct current in winding}$$

$$L = (0.0245 \cdot 10^{-8}) K_1 N^2 \mu \text{ ac Henries}$$

MAGNETIC PATH DIMENSION

$$l = 2.97 \text{ cm}$$

$$A = 0.058 \text{ cm}^2$$

$K_1$  (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%)	0.15	0.1020	9,804
	0.2	0.1290	7,752