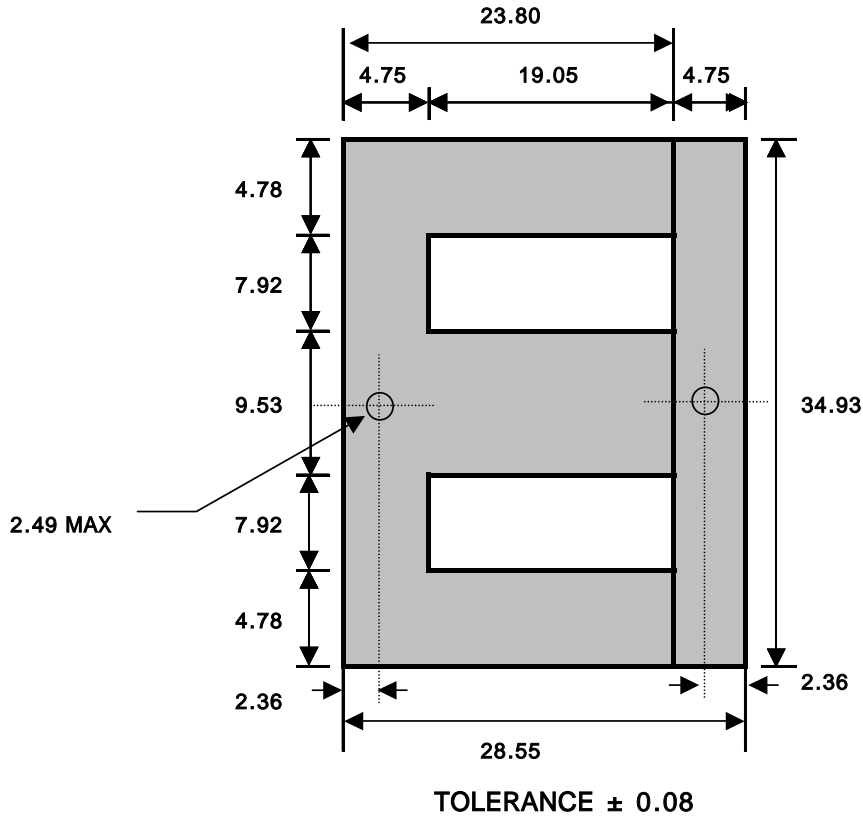




# 375EI

# SYEC CORE



**PROPERTIES OF SQUARE STACK (10EA)**

**MAGNETIC DESIGN FORMULAE**

$$B_{max} = \frac{1137 \cdot 10^3}{K_1 N} \text{ gauss per Volt at 60Hz}$$

(N is number of turns)

$$H_0 = (0.172 \cdot 10^{-3}) N \text{ Oersted per milliampere}$$

of direct current in winding

$$L = (0.056 \cdot 10^{-8}) K_1 N^2 \mu \text{ ac Henries}$$

**MAGNETIC PATH DIMENSION**

$$l = 7.30 \text{ cm}$$

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

**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