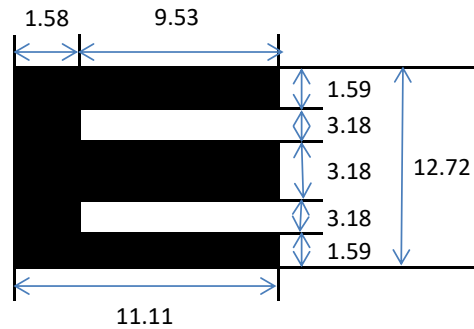




LAMINATION

EL-12.7(EL2829)



Tolerance : $\pm 0.08\text{mm}$

(All dimensions in mm)

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAR

$$B_{\max} = 3,753 \times 10^3 / K_1 N (\text{Gauss per Volt at 60Hz})$$

(N= Number of turns)

$$H_o = (0.439 \times 10^{-3}) N \text{ Oersted per milliampere of direct current in winding}$$

$$L = (0.0439 \times 10^{-8}) K_1^2 N \mu \text{ ac Henries}$$

MAGNETIC PATH DIMENSION

$$l = 2.86 \text{ cm}$$

$$A = 0.1 \text{ cm}^2$$

K₁ (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%)	0.15t	0.1060	9,434
	0.195t	0.1410	7,092
	0.345t	0.2470	4,049
PB (Ni45~48%)	0.195t	0.1361	7,349
	0.345t	0.2330	4,292