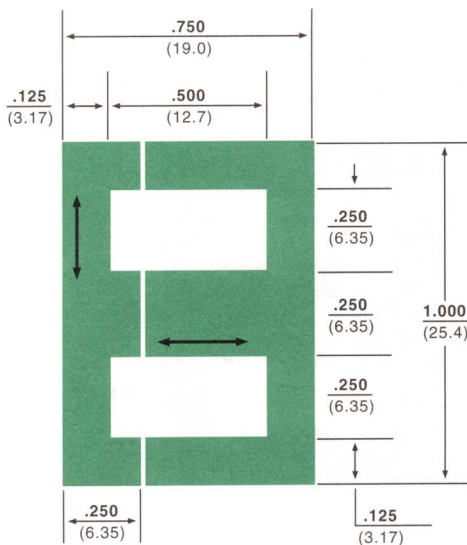


SINGLE PHASE EE—24-25

(6mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	1.870	0.847	534.7	1179
.011	0.28	1.469	0.667	680.7	1499.3
.009	0.23	1.202	0.545	831.9	1834.9
.007	0.18	0.935	0.424	1069.5	2358.5
.006	0.15	0.772	0.350	1295	2856
.004	0.10	0.554	0.250	1805	3979

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
0.125	2.05	0.034	15.4	0.125	0.807

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 2.0 \text{ in.} = 5.08 \text{ cm.}$$

$$A = 0.063 \text{ in.}^2 = 0.406 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{923.6 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

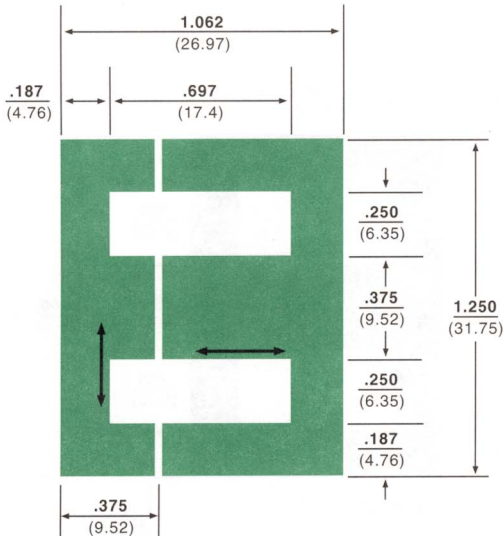
$$H_o = (.247 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.11 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EE—26-27

(10mm)

Single-Phase



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	4.80	2.174	208.3	458.26
.014	0.35	3.55	1.608	281.7	619.74
.011	0.28	2.789	1.265	358.6	790.5
.009	0.23	2.282	1.035	438.2	966.2
.007	0.18	1.775	0.805	563.4	1242.2
.006	0.15	1.52	0.689	658	1450
.004	0.10	1.28	0.580	781	1722

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
0.37	6.07	0.10	45.4	0.172	1.11

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 2.63 \text{ in.} = 6.67 \text{ cm.}$$

$$A = 0.141 \text{ in.}^2 = 0.91 \text{ cm.}^2$$

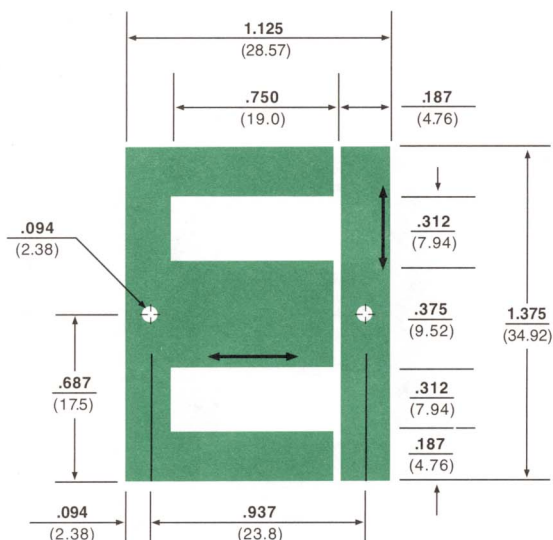
60 Hertz Reactance (N = number of turns)

$$B_{\text{max}} = \frac{412.1 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.188 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.18 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI— $\frac{3}{8}H$ (10mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	5.22	2.36	191.6	421.52
.014	0.35	3.90	1.77	256.4	564.08
.011	0.28	3.064	1.390	326.4	719.4
.009	0.23	2.507	1.137	398.9	879.5
.007	0.18	1.950	0.885	512.8	1129.9
.006	0.15	1.635	0.741	612.5	1347.5
.004	0.10	1.09	0.494	918	2019.6

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
0.405	6.63	0.108	49	2.34	1.52

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 2.88 \text{ in.} = 7.32 \text{ cm.}$$

$$A = 0.141 \text{ in.}^2 = 0.91 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

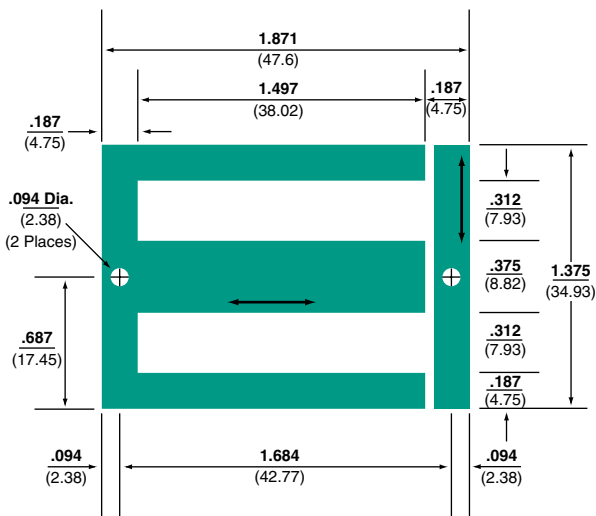
$$B_{\max} = \frac{412 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.172 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.16 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI— $\frac{3}{8}$ H

(10mm) LOW PROFILE



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg./1 K	El's/lb.	El's/kg
0.0185	0.47				
0.014	0.35	6.29918	2.857245056	158.7508215	349.9874811
0.011	0.28	4.9468045	2.243821053	202.1507015	445.6683382
0.009	0.23	4.0473855	1.835853589	247.0730796	544.7057467
.007	0.18				
.006	0.15				
.004	0.10				

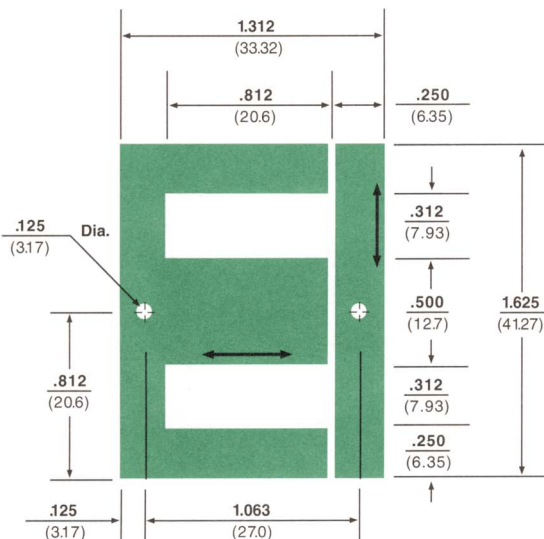
CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
0.6088125	9.976671319	0.168641063	76.49389954	0.467064	3.013310102

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$\text{Area} = 0.140625 \text{ in.}^2 = 0.90725625 \text{ cm.}^2$$

SINGLE PHASE EI— $\frac{1}{2}$ H (13mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	7.80	3.53	128.2	282.04
.014	0.35	5.80	2.63	172.4	379.28
.011	0.28	4.557	2.068	219.4	483.6
.009	0.23	3.729	1.692	268.2	591.0
.007	0.18	2.900	1.316	344.8	759.8
.006	0.15	2.47	1.12	405	891
.004	0.10	1.65	0.75	605	1331

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
0.810	13.1	0.216	98.1	0.254	1.635

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 3.25 \text{ in.} = 8.26 \text{ cm.}$$

$$A = 0.25 \text{ in.}^2 = 1.61 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{233 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

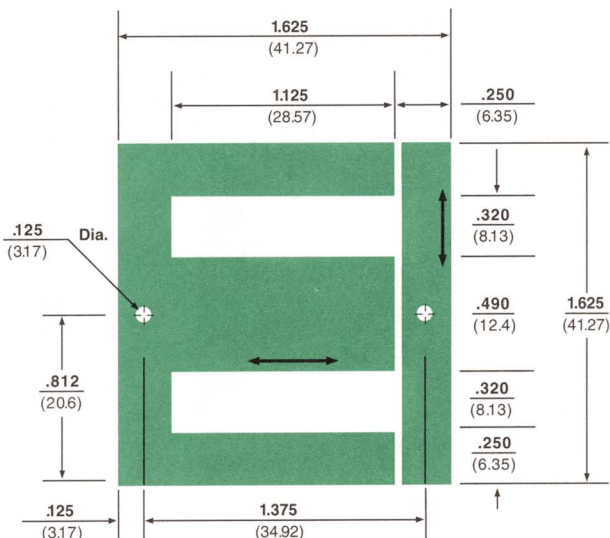
$$H_o = (.152 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.26 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI— $\frac{1}{2}$ L

(13mm)

Single-Phase



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	9.87	4.48	101.3	223.33
.014	0.35	7.10	3.22	140.8	309.76
.011	0.28	5.579	2.531	179.2	395.1
.009	0.23	4.564	2.071	219.1	482.8
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
0.928	15.2	0.253	115	0.36	2.32

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 3.89 \text{ in.} = 9.88 \text{ cm.}$$

$$A = 0.24 \text{ in.}^2 = 1.55 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

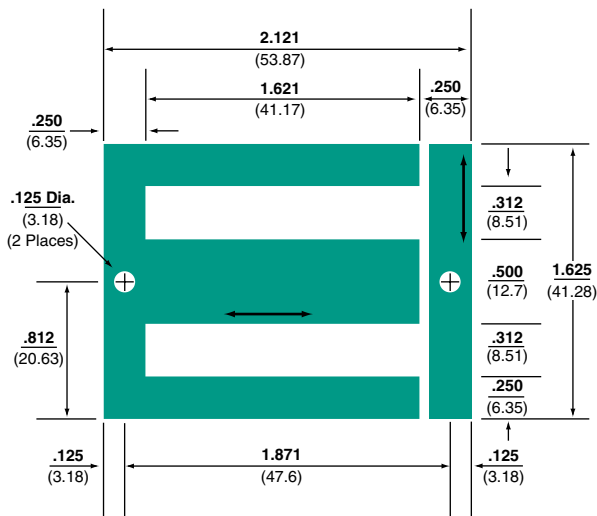
$$B_{\max} = \frac{241.8 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.127 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.21 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1½H

(13mm) LOW PROFILE



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg./1 K	El's/lb.	El's/kg
0.0185	0.47				
0.014	0.35	9.3469588	4.239687042	106.9866704	235.8664661
0.011	0.28	7.3402535	3.329465585	136.2350769	300.3485017
0.009	0.23	6.0056619	2.724108181	166.5095399	367.0926165
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

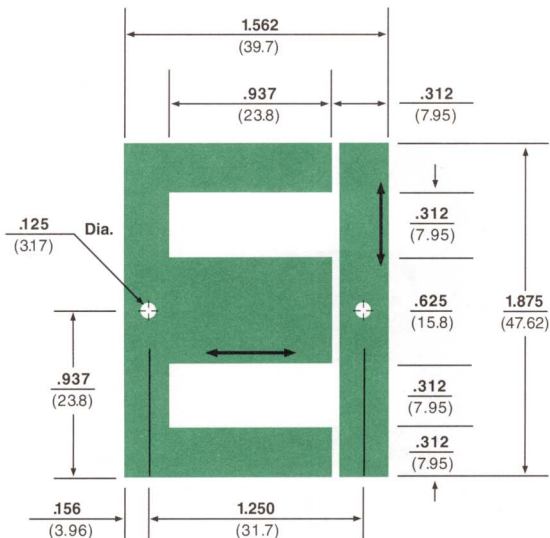
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
1.204505	19.73834389	0.333647885	151.3393442	0.505752	3.262909603

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$\text{Area} = 0.25 \text{ in.}^2 = 1.6129 \text{ cm.}^2$$

SINGLE PHASE EI— $\frac{5}{8}H$

(16mm)



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	11.30	5.119	88.50	194.70
.014	0.35	8.40	3.80	119.0	261.8
.011	0.28	6.600	2.995	151.5	333.9
.009	0.23	5.400	2.450	185.2	408.2
.007	0.18	4.200	1.906	238.1	524.7
.006	0.15	3.58	1.62	279	613.8
.004	0.10	2.70	1.22	370	814

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
1.45	23.8	0.392	178	0.293	1.89

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$\phi = 3.75 \text{ in.} = 9.53 \text{ cm.}$$

$$A = 0.39 \text{ in.}^2 = 2.52 \text{ cm.}^2$$

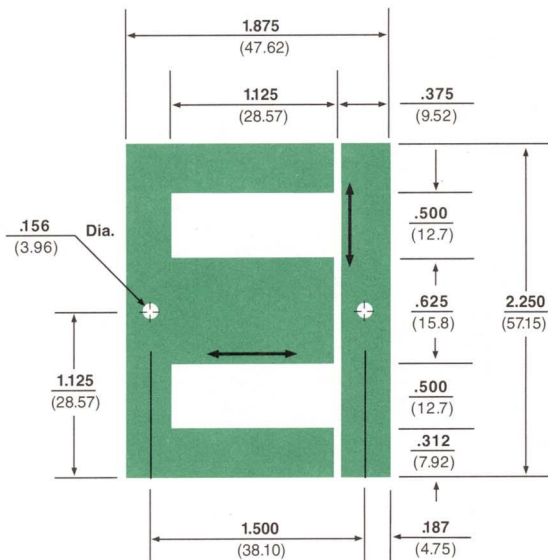
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{149 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.132 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.35 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

WIDE WINDOW EI— $\frac{5}{8}$ HW
(16mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	11.40	5.164	87.72	192.894
.011	0.28	8.957	4.064	111.6	246.1
.009	0.23	7.329	3.325	136.4	300.8
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK
HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
1.91	31.30	0.528	39.4	0.563	3.63

MAGNETIC PATH DIMENSIONS AND
DESIGN FORMULAS

$Q = 4.63 \text{ in.} = 11.75 \text{ cm.}$

$A = 0.39 \text{ in.}^2 = 2.52 \text{ cm.}^2$

60 Hertz Reactance (N = number of turns)

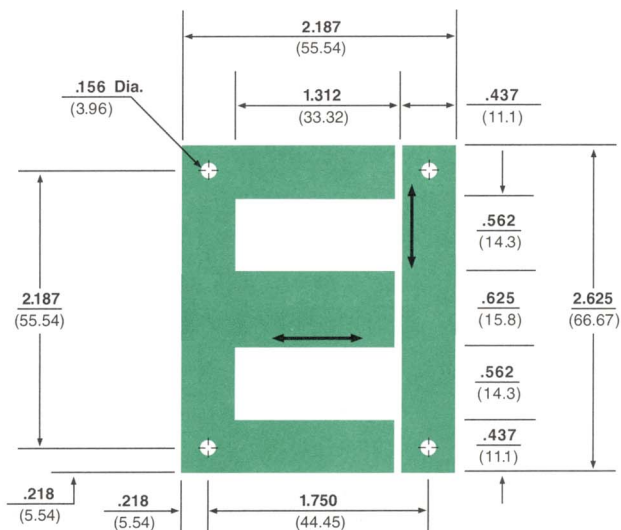
$B_{\text{max}} = \frac{149 \times 10^3}{K_1 N} \text{ Gauss per volt}$

$H_o = (.107 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$

$L_a = (.28 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$

SINGLE PHASE— $\frac{5}{8}$ LW

(16mm) FERRO-RESONANT



Note: Specify if center mounting slots are required.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	15.39	6.971	64.9	142.78
.011	0.28	12.092	5.486	82.7	182.3
.009	0.23	9.894	4.489	101.1	222.8
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
2.48	40.6	0.687	312	0.737	4.76

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 5.37 \text{ in.} = 13.64 \text{ cm.}$$

$$A = 0.39 \text{ in.}^2 = 2.52 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

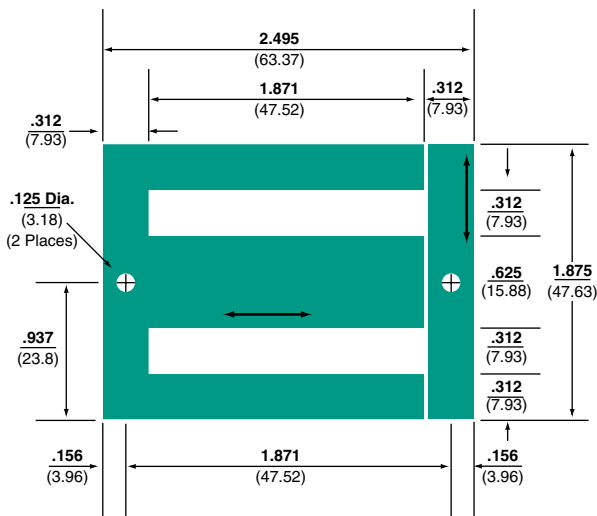
$$B_{\text{max}} = \frac{149 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.092 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.24 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—5/8H

(16mm) LOW PROFILE



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg./1 K	El's/lb.	El's/kg
0.0185	0.47				
0.014	0.35	13.52568	6.135113191	73.93343625	162.9961777
0.011	0.28	10.621842	4.817961313	94.14562936	207.5566687
0.009	0.23	8.690598	3.941968347	115.0668803	253.6803729
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

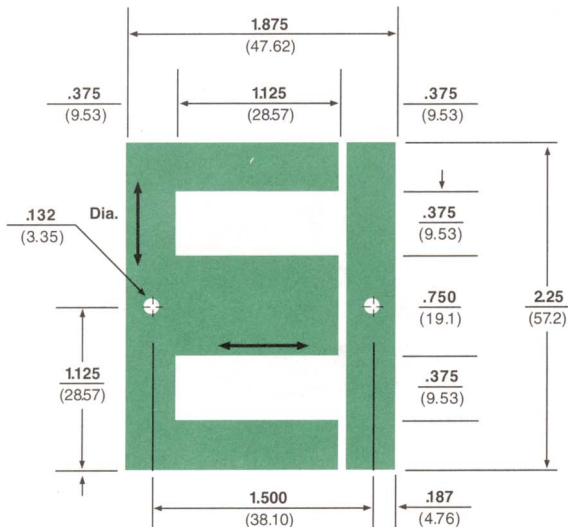
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
2.17875	35.70339413	0.60351375	273.7478019	0.583752	3.766134403

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$\text{Area} = 0.390625 \text{ in.}^2 = 2.52015625 \text{ cm.}^2$$

SINGLE PHASE EI—³/₄H

(19mm)



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	EI's/lb.	EI's/Kg
.0185	0.47	16.35	7.406	61.16	134.55
.014	0.35	12.15	5.503	82.30	181.06
.011	0.28	9.546	4.331	104.8	230.9
.009	0.23	7.811	3.544	128.0	282.2
.007	0.18	6.075	2.756	164.6	362.8
.006	0.15	5.18	2.35	193	424.6
.004	0.10	3.60	1.63	278	611.6

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
2.51	41.2	0.678	308	0.422	2.72

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 4.50 \text{ in.} = 11.43 \text{ cm.}$$

$$A = 0.562 \text{ in.}^2 = 3.62 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

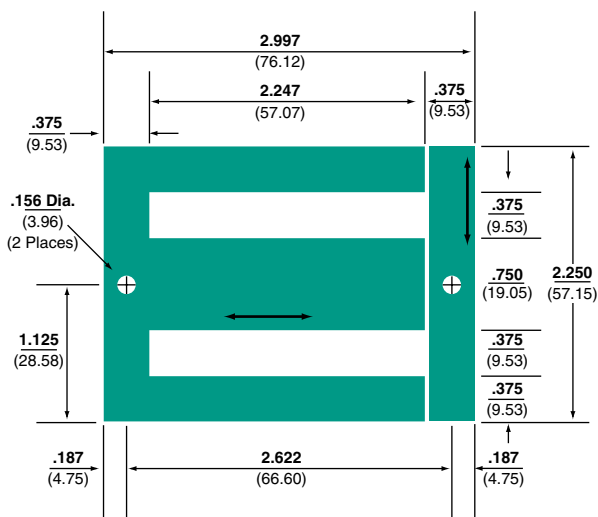
$$B_{\max} = \frac{103.6 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.110 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.42 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—3/4H

(19mm) LOW PROFILE



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg./1 K	El's/lb.	El's/kg
0.0185	0.47				
0.014	0.35	19.477212	8.834668591	51.34205039	113.1904372
0.011	0.28	15.295635	6.93794708	65.37812912	144.1348555
0.009	0.23	12.514611	5.676502403	79.90659877	176.1648157
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
3.764925	61.69620247	1.042884225	473.0418556	0.842625	5.43627945

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$\text{Area} = 0.5625 \text{ in.}^2 = 3.629025 \text{ cm.}^2$$

Single-Phase

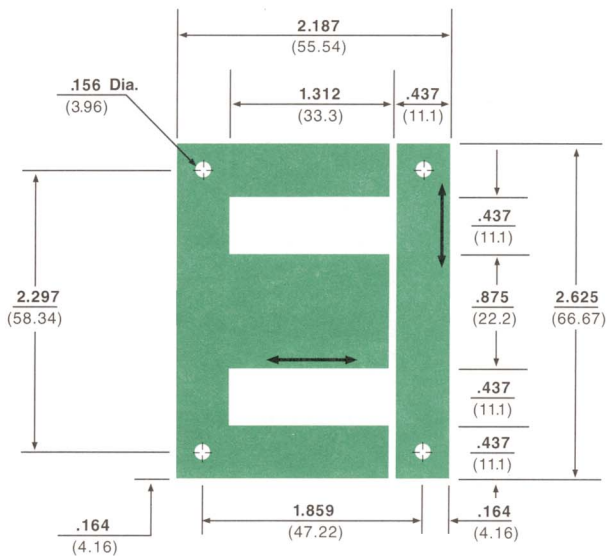


CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

$$L_a = (.49 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—7⁄8MH

(22mm)



Note: Specify if center mounting slots are required.
Meets Specification MIL-T-27. See page 2.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	21.85	9.898	45.77	100.694
.014	0.35	16.25	7.361	61.54	135.388
.011	0.28	12.768	5.793	78.3	172.6
.009	0.23	10.446	4.740	95.7	210.9
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
3.88	63.6	1.09	477	0.574	3.70

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$\varnothing = 5.25 \text{ in.} = 13.34 \text{ cm.}$

$A = 0.766 \text{ in.}^2 = 4.94 \text{ cm.}^2$

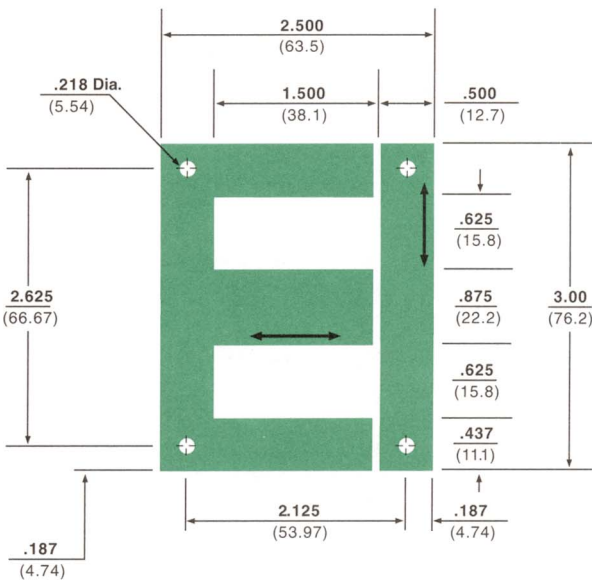
60 Hertz Reactance (N = number of turns)

$B_{\text{max}} = \frac{76 \times 10^3}{K_1 N} \text{ Gauss per volt}$

$H_o = (.094 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$

$L_a = (.49 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

WIDE WINDOW EI— $\frac{7}{8}$ HW (22mm)



Note: Specify if center mounting slots are required.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	18.00	8.154	55.56	122.232
.011	0.28	14.143	6.417	70.7	155.8
.009	0.23	11.571	5.250	86.4	190.5
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
4.69	76.89	1.297	588.2	.937	6.05

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$Q = 6.13 \text{ in.} = 15.59 \text{ cm.}$
 $A = 0.766 \text{ in.}^2 = 4.94 \text{ cm.}^2$
 60 Hertz Reactance (N = number of turns)
 $B_{\max} = \frac{75.9 \times 10^3}{K_1 N} \text{ Gauss per volt}$
 $H_o = (.0807 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$
 $L_a = (.42 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$

(22mm)

LOW PROFILE



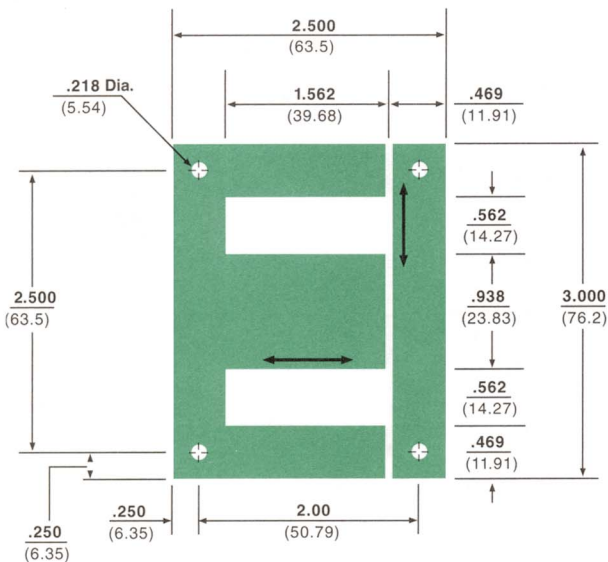
CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

59

SINGLE PHASE EI—¹⁵/₁₆H

(24mm)



Note: Specify if center mounting slots are required.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	21.26	9.64	47.04	103.71
.011	0.28	16.70	7.58	59.88	131.98
.009	0.23	13.67	6.20	73.15	161.22
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
4.89	80.1	1.35	613	.878	5.66

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 6.124 \text{ in.} = 15.55 \text{ cm.}$$

$$A = .880 \text{ in.}^2 = 5.68 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

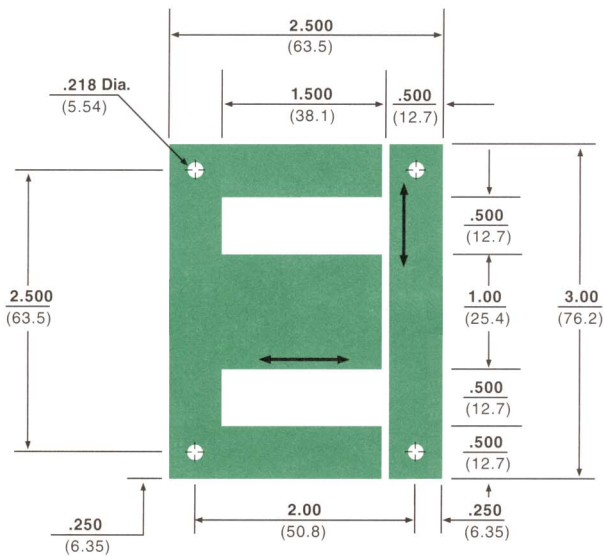
$$B_{\text{max}} = \frac{66.1 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.081 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.48 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

SINGLE PHASE EI—1H

(25mm)



Note: Specify if center mounting slots are required.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	28.00	12.68	35.71	78.562
.014	0.35	20.80	9.422	48.08	105.776
.011	0.28	16.342	7.415	61.2	134.9
.009	0.23	13.371	6.067	74.8	164.8
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

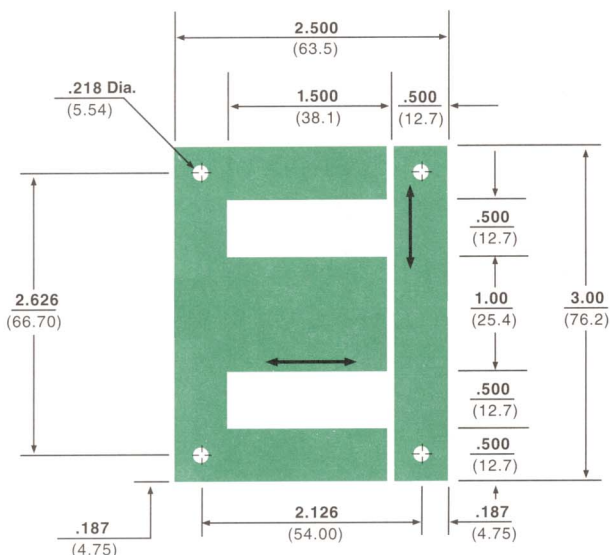
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
5.74	94.1	1.55	704	0.75	4.83

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$Q = 6.0 \text{ in.} = 15.25 \text{ cm.}$
 $A = 1.0 \text{ in.}^2 = 6.45 \text{ cm.}^2$
60 Hertz Reactance (N = number of turns)
 $B_{\text{max}} = \frac{58.1 \times 10^3}{K_1 N} \text{ Gauss per volt}$
 $H_o = (.082 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$
 $L_a = (.56 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

SINGLE PHASE EI—1MH

(25mm)



Note: Specify if center mounting slots are required.
Meets Specification MIL-T-27. See page 2.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	28.00	12.68	35.71	78.562
.014	0.35	20.80	9.422	48.08	105.776
.011	0.28	16.342	7.415	61.2	134.9
.009	0.23	13.371	6.067	74.8	164.8
.007	0.18	10.400	4.719	96.2	211.9
.006	0.15	9.72	4.40	102.9	226.38
.004	0.10	6.48	2.93	154.3	339.46

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
5.74	94.1	1.55	704	0.75	4.83

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 6.0 \text{ in.} = 15.25 \text{ cm.}$$

$$A = 1.0 \text{ in.}^2 = 6.45 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

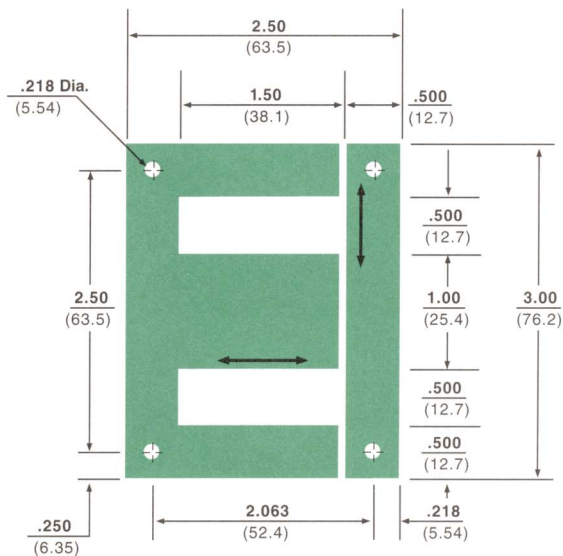
$$B_{\max} = \frac{58.1 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.082 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.56 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1HX

(25mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	28.00	12.68	35.71	78.562
.014	0.35	20.80	9.422	48.08	105.776
.011	0.28	16.342	7.415	61.2	134.9
.009	0.23	13.371	6.067	74.8	164.8
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
5.74	94.1	1.55	704	0.75	4.83

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$Q = 6.0 \text{ in.} = 15.25 \text{ cm.}$

$A = 1.0 \text{ in.}^2 = 6.45 \text{ cm.}^2$

60 Hertz Reactance (N = number of turns)

$B_{\text{max}} = \frac{58.1 \times 10^3}{K_1 N} \text{ Gauss per volt}$

$H_o = (.082 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$

$L_a = (.56 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$

(25mm)

LOW PROFILE



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg./1 K	El's/lb.	El's/kg
0.0185	0.47				
0.014	0.35	33.952134	15.40034846	29.45322966	64.93359566
0.011	0.28	26.662926	12.0940366	37.50526105	82.68537898
0.009	0.23	21.815121	9.895120734	45.83976408	101.0599089
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

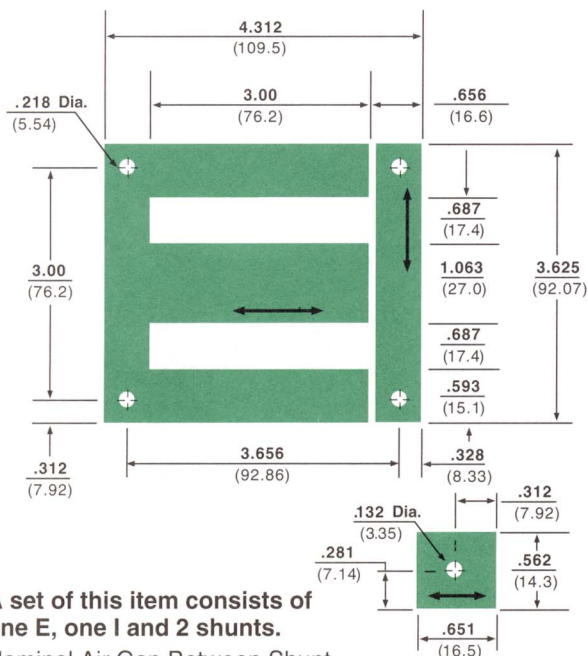
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
8.75055	143.3961379	2.42390235	1099.457867	1.4985	9.6677226

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$\text{Area} = 1 \text{ in.}^2 = 6.4516 \text{ cm.}^2$$

SINGLE PHASE EI—1 $\frac{1}{16}$ LW

(27mm) FERRO-RESONANT



A set of this item consists of one E, one I and 2 shunts.

Nominal Air Gap Between Shunt and Window—.010" to .036"

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	46.86	21.21	21.36	46.992
.011	0.28	6.819	16.706	27.2	59.9
.009	0.23	30.124	13.668	33.2	73.2
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
12.19	199.80	3.37	1528	2.062	13.30

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 9.81 \text{ in.} = 24.92 \text{ cm.}$$

$$A = 1.13 \text{ in.}^2 = 7.29 \text{ cm.}^2$$

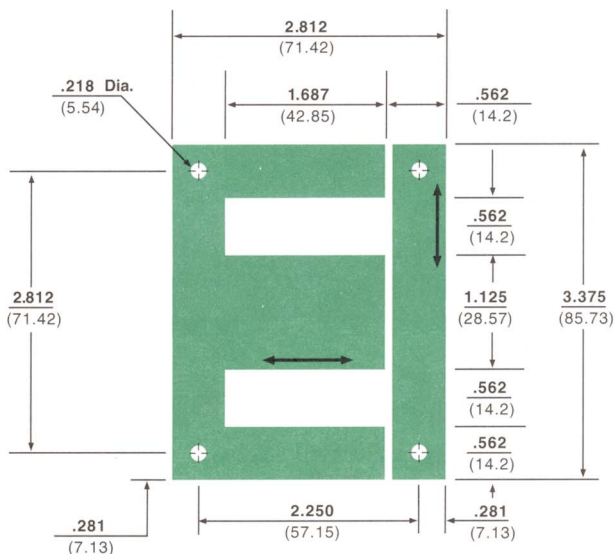
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{51.5 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.050 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.39 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

(29mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	35.95	16.29	27.82	61.204
.014	0.35	26.65	12.07	37.52	82.544
.011	0.28	20.939	9.500	44.8	105.3
.009	0.23	17.132	7.773	58.4	128.6
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
8.29	136	2.24	1017	.949	6.12

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 6.75 \text{ in.} = 17.15 \text{ cm.}$$

$$A = 1.27 \text{ in.}^2 = 8.19 \text{ cm.}^2$$

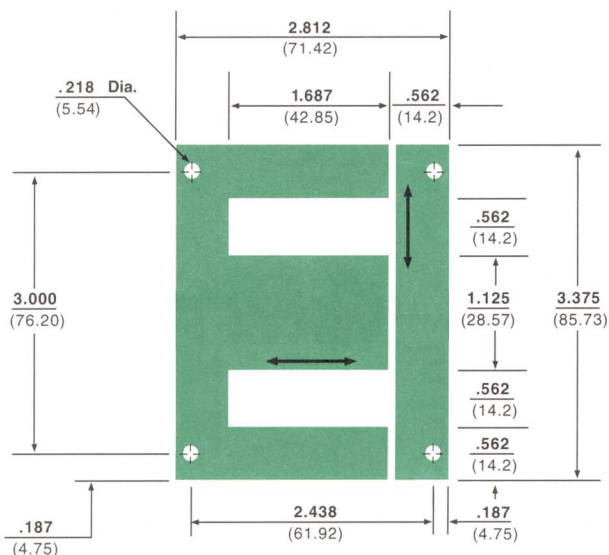
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{45.8 \times 10^3}{K_N} \text{ Gauss per volt}$$

$$H_o = (.073 \times 10^{-3}) \text{ N Oersted per milliampere of direct current}$$

$$L_a = (.63 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

(29mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	35.95	16.29	27.82	61.204
.014	0.35	26.65	12.07	37.52	82.544
.011	0.28	20.939	9.500	44.8	105.3
.009	0.23	17.132	7.773	58.4	128.6
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
8.29	136	2.24	1017	.949	6.12

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 6.75 \text{ in.} = 17.15 \text{ cm.}$$

$$A = 1.27 \text{ in.}^2 = 8.19 \text{ cm.}^2$$

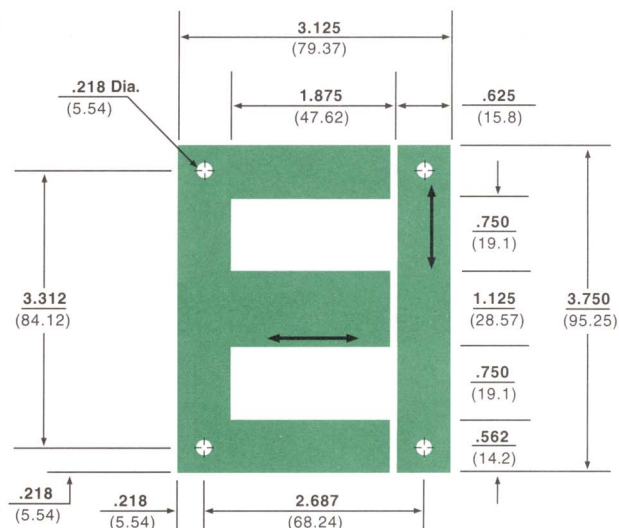
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{45.8 \times 10^3}{K_s N} \text{ Gauss per volt}$$

$$H_o = (.073 \times 10^{-3}) \text{ N Oersted per milliampere of direct current}$$

$$L_a = (.63 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

WIDE WINDOW EI—1 $\frac{1}{8}$ HW (29mm)



Note: Specify if center mounting slots are required.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	32.80	14.86	30.49	67.078
.011	0.28	25.771	11.693	38.8	85.5
.009	0.23	21.086	9.567	47.4	104.5
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
9.72	159.2	2.68	1218	1.41	9.07

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 7.63 \text{ in.} = 19.37 \text{ cm.}$$

$$A = 1.27 \text{ in.}^2 = 8.19 \text{ cm.}^2$$

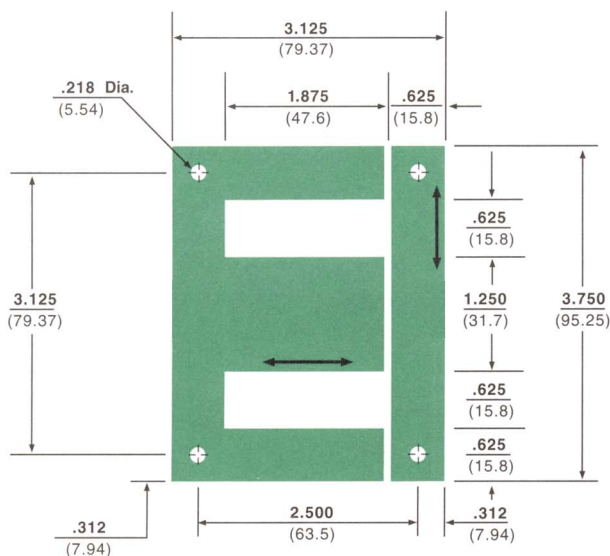
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{45.9 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.0648 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.56 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

(32mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	44.50	20.16	22.47	49.434
.014	0.35	33.00	14.95	30.30	66.66
.011	0.28	25.929	11.765	38.6	85.0
.009	0.23	21.214	9.625	47.1	103.9
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
11.40	187	3.08	1398	1.17	7.57

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 7.50 \text{ in.} = 19.05 \text{ cm.}$$

$$A = 1.56 \text{ in.}^2 = 10.08 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

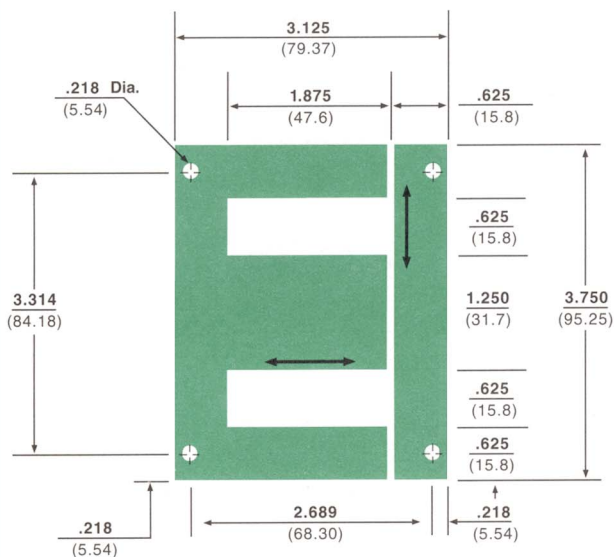
$$B_{\max} = \frac{37.2 \times 10^3}{K_s N} \text{ Gauss per volt}$$

$$H_0 = (.0659 \times 10^{-3}) \text{ N Oersts per milliampere of direct current}$$

$$L_a = (.70 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1¼MH

(32mm)



Note: Specify if center mounting slots are required.
Meets Specification MIL-T-27. See Page 2.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	44.50	20.16	22.47	49.434
.014	0.35	33.00	14.95	30.30	66.66
.011	0.28	25.929	11.765	38.6	85.0
.009	0.23	21.214	9.625	47.1	103.9
.007	0.18	16.500	7.486	60.6	133.6
.006	0.15	14.80	6.704	67.5	148.5
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
11.40	187	3.08	1398	1.17	7.57

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 7.50 \text{ in.} = 19.05 \text{ cm.}$$

$$A = 1.56 \text{ in.}^2 = 10.08 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

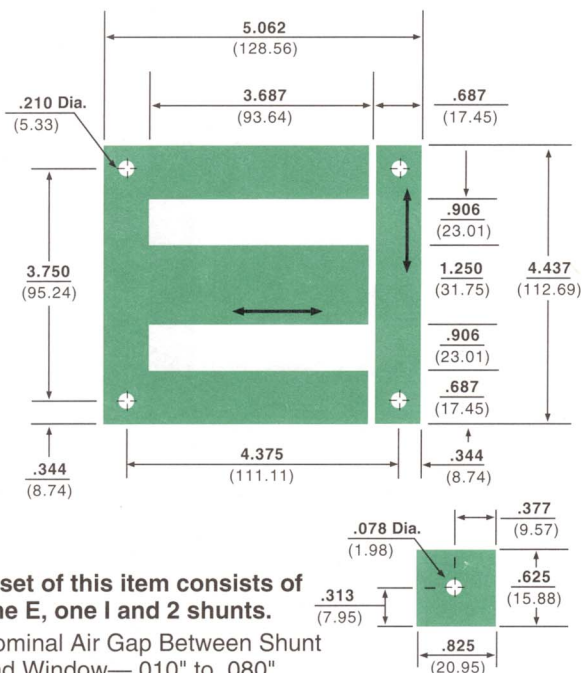
$$B_{\max} = \frac{37.2 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.0659 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.70 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1¼ (2) HLW

(32mm) FERRO-RESONANT



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	64.63	29.31	15.47	34.12
.011	0.28	50.781	23.040	19.7	43.4
.009	0.23	41.548	18.851	24.1	53.0
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
18.57	304.3	5.46	2478	3.340	21.55

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 11.873 \text{ in.} = 30.16 \text{ cm.}$$

$$A = 1.56 \text{ in.}^2 = 10.08 \text{ cm.}^2$$

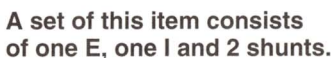
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{37.2 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.042 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.44 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

Single-Phase



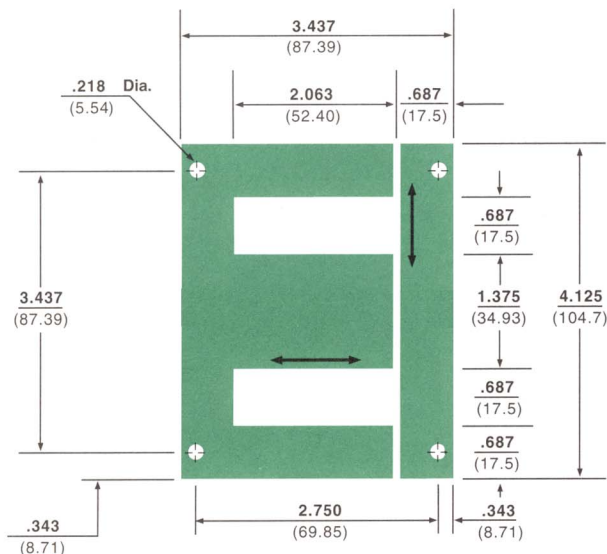
THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	64.16	29.10	15.59	34.36
.011	0.28	50.411	22.873	19.8	43.7
.009	0.23	41.246	18.714	24.2	53.4
.007	0.18				
.006	0.15				
.004	0.10				

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
18.42	302	5.41	2455	3.340	21.55

$$A = 1.56 \text{ in.}^2 = 10.08 \text{ cm.}^2$$

SINGLE PHASE EI—1³/₈H

(35mm)



Note: Specify if center mounting slots are required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	54.10	24.51	18.48	40.656
.014	0.35	40.10	18.17	24.94	54.868
.011	0.28	31.507	14.295	31.7	69.9
.009	0.23	25.779	11.696	38.8	85.5
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
15.46	253.5	4.17	1893	1.42	9.2

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 8.25 \text{ in.} = 20.96 \text{ cm.}$$

$$A = 1.89 \text{ in.}^2 = 12.20 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{30.7 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.060 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.77 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

(35mm)



Note: Specify if center mounting slots are required.
Meets Specification MIL-T-27. See page 2.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	54.10	24.51	18.48	40.656
.014	0.35	40.10	18.17	24.94	54.868
.011	0.28	31.507	14.295	31.7	69.9
.009	0.23	25.779	11.696	38.8	85.5
.007	0.18	20.050	9.097	49.9	109.9
.006	0.15	17.10	7.746	58.5	128.7
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
15.46	253.5	4.17	1893	1.42	9.2

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 8.25 \text{ in.} = 20.96 \text{ cm.}$$

$$A = 1.89 \text{ in.}^2 = 12.20 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

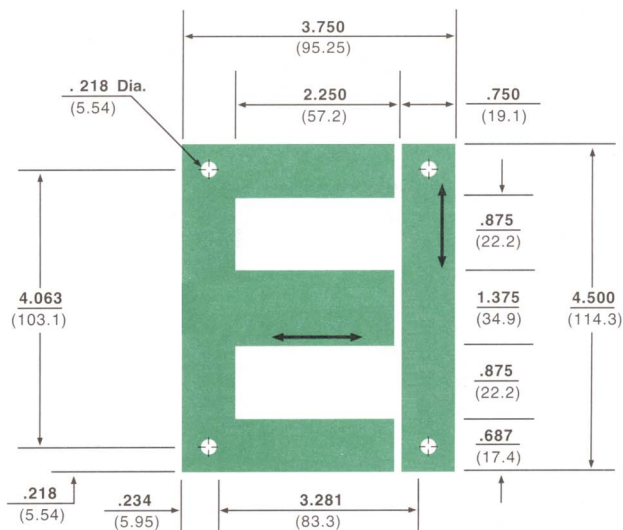
$$B_{\max} = \frac{30.07 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_0 = (.060 \times 10^{-3}) \text{ N Oersted per milliampere of direct current}$$

$$L_a = (.77 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

WIDE WINDOW EI—1³/₈HW

(35mm)



Note: Specify if center mounting slots are required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	45.36	20.55	22.0	48.4
.011	0.28	35.640	16.171	28.1	61.8
.009	0.23	29.160	13.230	34.3	75.6
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
17.32	283.77	4.79	2171	1.97	12.70

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 9.13 \text{ in.} = 23.18 \text{ cm.}$$

$$A = 1.89 \text{ in.}^2 = 12.20 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{30.7 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.0542 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.69 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1³/₈HXW



Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	63.10	28.58	15.80	34.76
.011	0.28	49.579	22.495	20.2	44.4
.009	0.23	40.564	18.404	24.7	54.3
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
23.6	366	6.52	2950	2.789	17.99

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 10.68 \text{ in.} = 27.15 \text{ cm.}$$

$$A = 1.89 \text{ in.}^2 = 12.20 \text{ cm.}^2$$

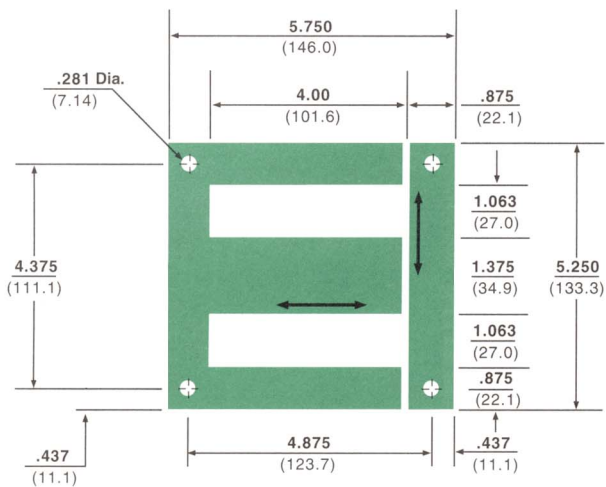
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{30.7 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$H_0 = (.046 \times 10^{-3})$ N Oersteds per milliamperere of direct current

$$L_a = (.59 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1³/₈LW
(35mm) FERRO-RESONANT



Note: Specify if center mounting slots are required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	81.89	37.09	12.02	26.444
.011	0.28	64.342	29.193	15.5	34.3
.009	0.23	52.644	23.804	19.0	42.0
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
29.3	480.5	8.12	3683	4.250	27.4

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 13.44 \text{ in.} = 34.13 \text{ cm.}$$

$$A = 1.89 \text{ in.}^2 = 12.20 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

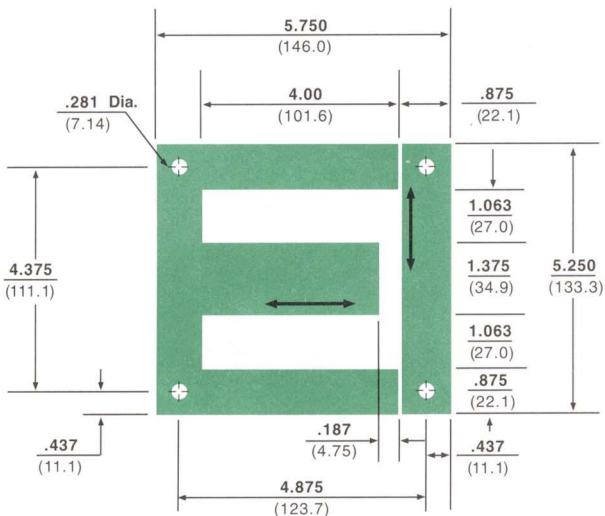
$$B_{\max} = \frac{30.7 \times 10^3}{K_N} \text{ Gauss per volt}$$

$$H_0 = (.037 \times 10^{-3}) \text{ N Oersts per milliampere of direct current}$$

$$L_a = (.47 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1³/₈ (2) HLC

(35mm) FERRO-RESONANT



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	80.89	36.69	12.36	27.255
.011	0.28	63.556	28.837	15.7	34.7
.009	0.23	52.001	23.594	19.2	42.4
.007	0.18				
.006	0.15				
.004	0.10				

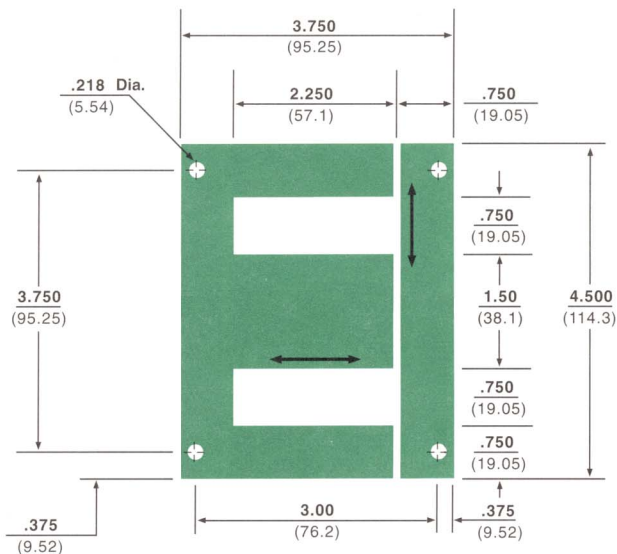
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
28.923	474.2	8.01	3634	4.250	27.4

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 13.44 \text{ in.} = 34.13 \text{ cm.}$$

$$A = 1.89 \text{ in.}^2 = 12.20 \text{ cm.}^2$$

(38mm)



Note: Specify if center mounting slots are required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	64.40	29.17	15.43	33.946
.014	0.35	47.80	21.65	20.92	46.024
.011	0.28	37.557	17.040	26.6	58.7
.009	0.23	30.729	13.942	32.5	71.7
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
19.8	325	5.35	2429	1.69	10.89

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 9.0 \text{ in.} = 22.86 \text{ cm.}$$

$$A = 2.25 \text{ in.}^2 = 14.51 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

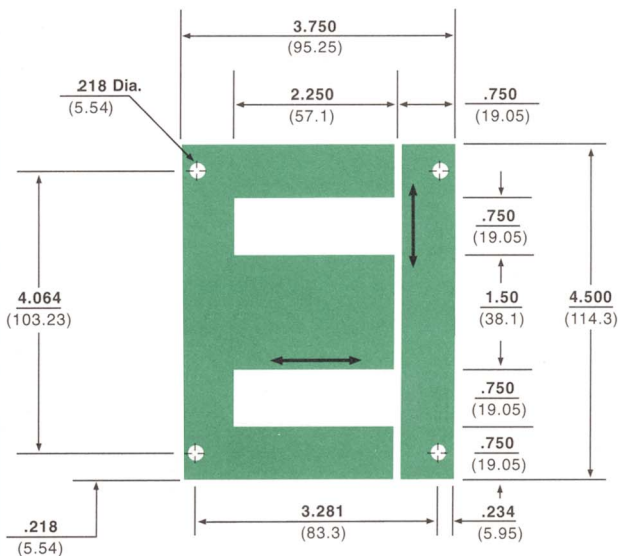
$$B_{\max} = \frac{25.84 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$H_0 = (.055 \times 10^{-3})$ N Oersteds per milliampere of direct current

$$L_a = (.84 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1½MH

(38mm)



Note: Specify if center mounting slots are required.
Meets Specification MIL-T-27. See page 2.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	64.40	29.17	15.43	33.946
.014	0.35	47.80	21.65	20.92	46.024
.011	0.28	37.557	17.040	26.6	58.7
.009	0.23	30.729	13.942	32.5	71.7
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
19.8	325	5.35	2429	1.69	10.89

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 9.0 \text{ in.} = 22.86 \text{ cm.}$$

$$A = 2.25 \text{ in.}^2 = 14.51 \text{ cm.}^2$$

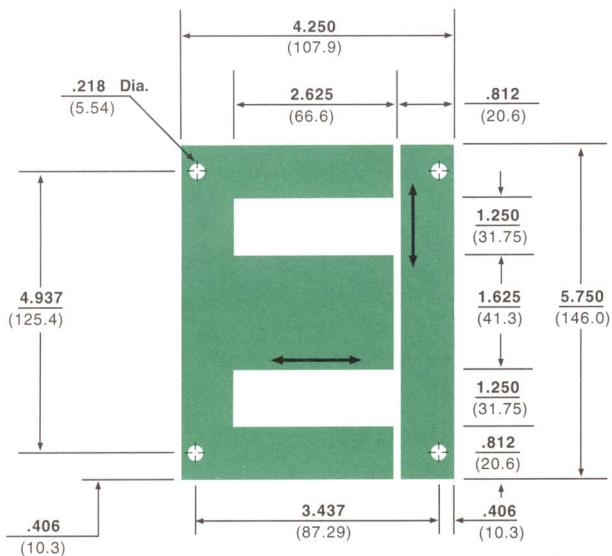
60 Hertz Reactance (N = number of turns)

$$B_{\text{max}} = \frac{25.84 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.055 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.84 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1 $\frac{5}{8}$ H (41mm)



Note: Specify if center mounting slots are required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	86.50	39.18	11.56	25.432
.014	0.35	64.15	29.06	15.59	34.298
.011	0.28	50.404	22.869	19.8	43.7
.009	0.23	41.239	18.711	24.2	53.4
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
28.8	472.3	7.78	3532	3.28	21.16

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 11.0 \text{ in.} = 27.9 \text{ cm.}$$

$$A = 2.64 \text{ in.}^2 = 17.04 \text{ cm.}^2$$

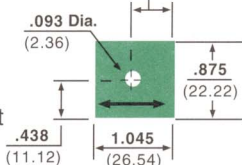
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{22 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_0 = (.045 \times 10^{-3}) \text{ N Oersts per milliampere of direct current}$$

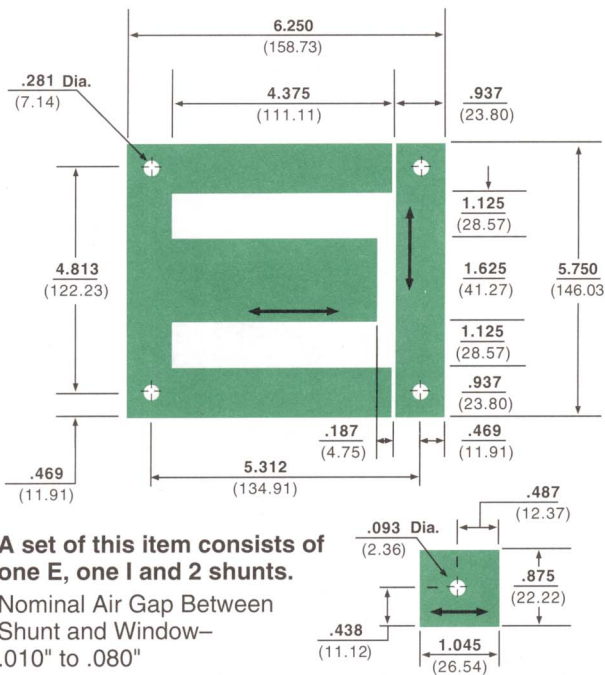
$$L_a = (.80 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

Single-Phase


$$L_a = (.60 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1⅝ (2) HLC

(41mm) FERRO-RESONANT



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	106.53	48.32	9.39	20.70
.011	0.28	83.702	37.977	11.9	26.3
.009	0.23	68.484	31.075	14.6	32.2
.007	0.18				
.006	0.15				

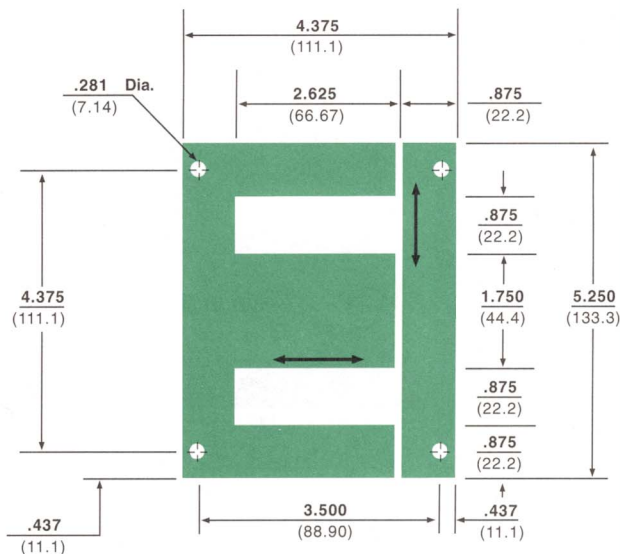
CHARACTERISTICS OF CORE STACK
HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
39.8	652.5	11.63	5277	4.922	31.75

MAGNETIC PATH DIMENSIONS AND
DESIGN FORMULAS

$Q = 14.624 \text{ in.} = 37.14 \text{ cm.}$
 $A = 2.64 \text{ in.}^2 = 17.04 \text{ cm.}^2$

(44mm)



Note: Specify if center mounting slots are required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	90.00	40.77	11.11	24.442
.014	0.35	65.10	29.49	15.36	33.792
.011	0.28	51.150	23.208	19.6	43.1
.009	0.23	41.850	18.988	23.9	52.7
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
31.9	523	8.61	3910	2.297	14.8

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 10.5 \text{ in.} = 26.67 \text{ cm.}$$

$$A = 3.063 \text{ in.}^2 = 19.76 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

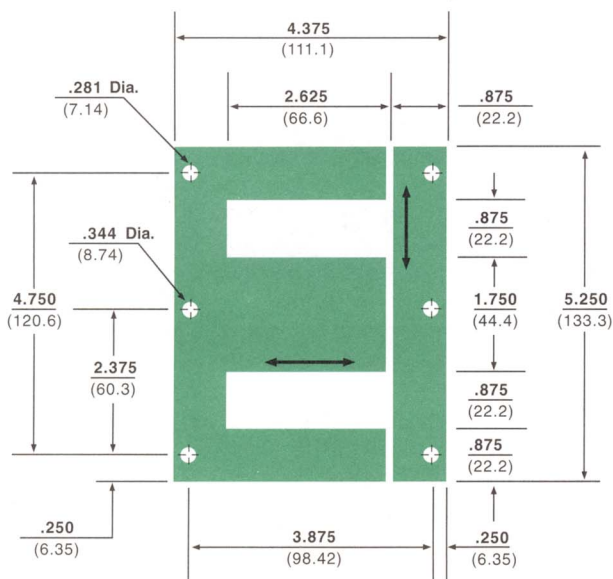
$$B_{\max} = \frac{19 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_0 = (.047 \times 10^{-3}) \text{ N Oersted per milliampere of direct current}$$

$$L_a = (.98 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1¾ (3) MH

(44mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	65.10	29.49	15.36	33.792
.011	0.28	51.150	23.208	19.6	43.1
.009	0.23	41.850	18.988	23.9	52.7
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

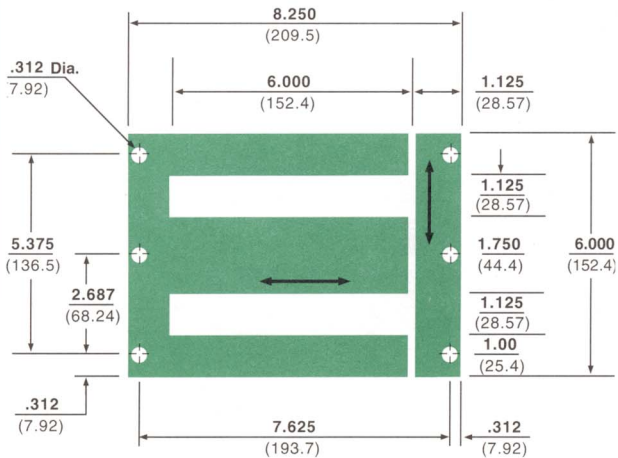
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
31.9	523	8.61	3910	2.297	14.8

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$Q = 10.05 \text{ in.} = 26.67 \text{ cm.}$
 $A = 3.06 \text{ in.}^2 = 19.8 \text{ cm.}^2$
 60 Hertz Reactance (N = number of turns)
 $B_{\text{max}} = \frac{19 \times 10^3}{K_1 N} \text{ Gauss per volt}$
 $H_o = (.047 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$
 $L_a = (.98 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

SINGLE PHASE—1¾ (3) HLW

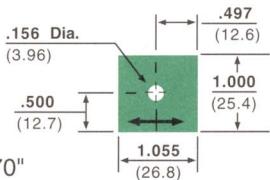
(44mm) FERRO-RESONANT



A set of this item consists of one E, one I and 4 shunts.

Nominal Air Gap Between Shunt and Window—.010" to .070"

Also available in Centra-Gap. See page 7.



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	154.3	69.88	6.48	14.25
.011	0.28	121.236	55.007	8.2	18.2
.009	0.23	99.193	45.006	10.1	22.2
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
62.2	1019	17.2	7796.8	6.75	43.54

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 18.38 \text{ in.} = 46.67 \text{ cm.}$$

$$A = 3.062 \text{ in.}^2 = 19.75 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

$$B_{\text{max}} = \frac{19 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

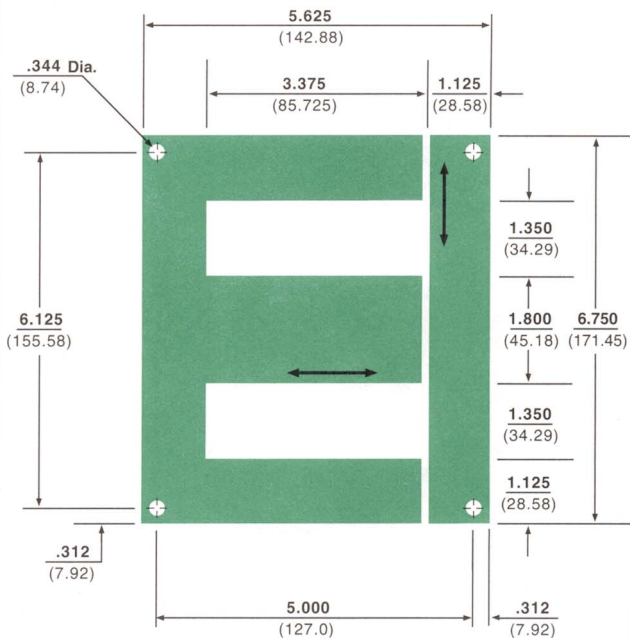
$$H_o = (.027 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.56 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

SINGLE PHASE EI—1.80HW

(46mm)

FERRO-RESONANT



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	105.6	47.90	9.47	20.88
.011	0.28	82.971	37.646	12.1	26.6
.009	0.23	67.886	30.801	14.7	32.5
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
46.57	763.2	12.90	5850	4.556	29.39

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 13.725 \text{ in.} = 34.86 \text{ cm.}$$

$$A = 3.240 \text{ in.}^2 = 20.90 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

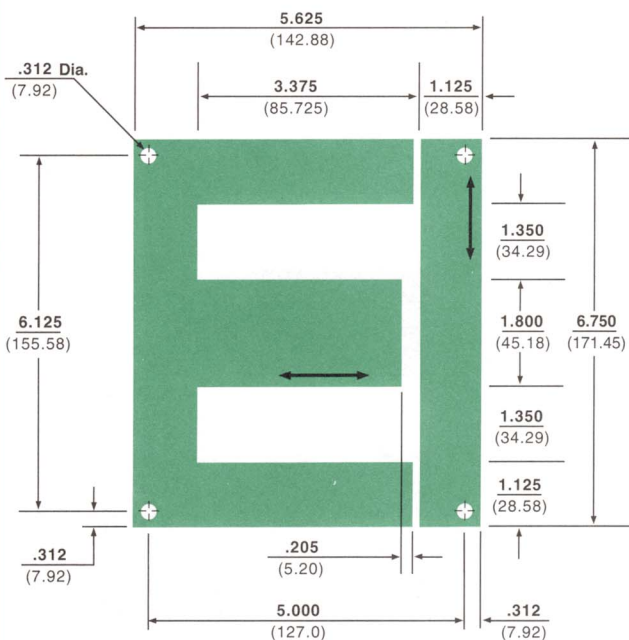
$$B_{\max} = \frac{17.95 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.036 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.78 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—1.80MHC

(46mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	103.81	47.09	9.63	21.24
.011	0.28	81.565	37.008	12.3	27.00
.009	0.23	66.735	30.279	15.0	33.0
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
45.64	748.15	12.61	5723	4.556	29.39

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

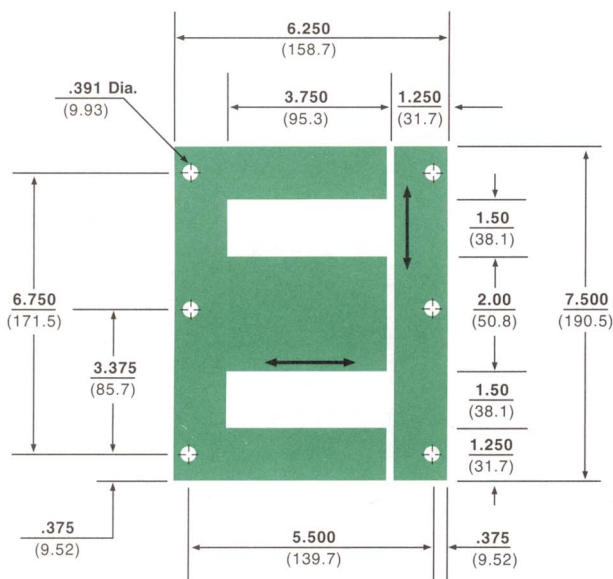
$$Q = 13.725 \text{ in.} = 34.86 \text{ cm.}$$

$$A = 3.240 \text{ in.}^2 = 20.90 \text{ cm.}^2$$

SINGLE PHASE EI—2 (3) HW

(51mm)

FERRO-RESONANT



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	127.1	57.55	7.86	17.292
.011	0.28	99.864	45.310	10.0	22.1
.009	0.23	81.707	37.072	12.2	27.0
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
69.8	1145	19.4	8810	5.625	36.28

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$\mathcal{Q} = 15.25 \text{ in.} = 38.7 \text{ cm.}$$

$$A = 4.0 \text{ in.}^2 = 25.8 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

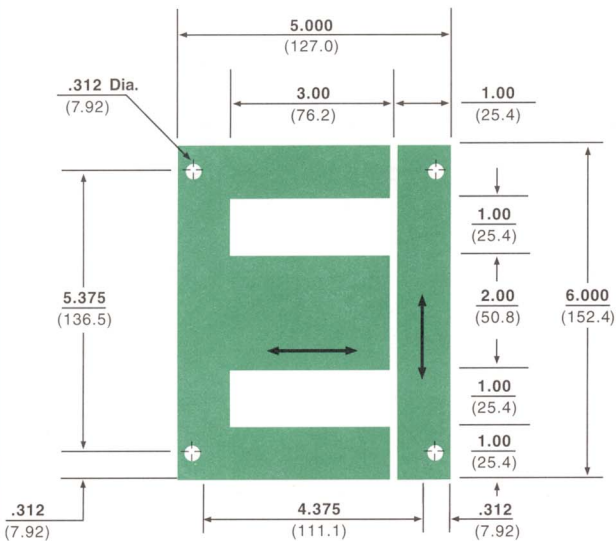
$$B_{\max} = \frac{14.5 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.032 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.88 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—2MH

(51mm)



Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	116.9	53.03	8.55	18.85
.014	0.35	88.50	40.09	11.30	24.86
.011	0.28	69.536	31.550	14.4	31.7
.009	0.23	56.893	25.813	17.6	38.7
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
47.38	771	13.1	5960	3.0	19.35

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$Q = 12.0 \text{ in.} = 30.5 \text{ cm.}$

$A = 4.0 \text{ in.}^2 = 25.8 \text{ cm.}^2$

60 Hertz Reactance (N = number of turns)

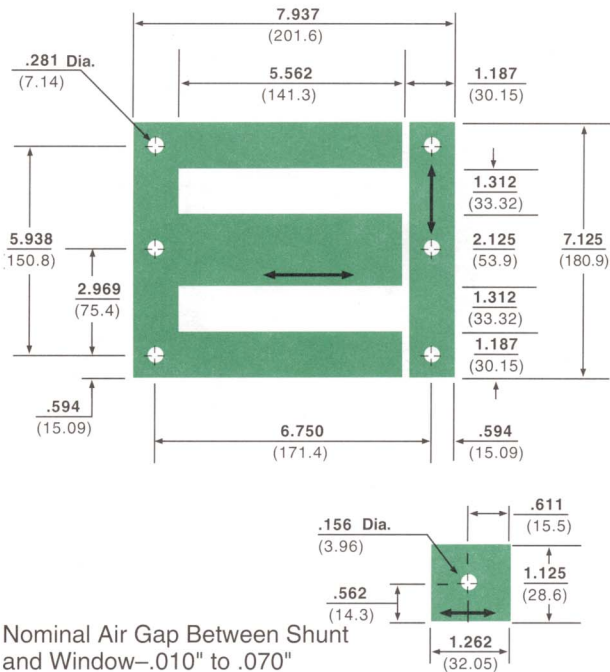
$B_{\text{max}} = \frac{14.5 \times 10^3}{K_1 N} \text{ Gauss per volt}$

$H_o = (.0412 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$

$L_a = (1.12 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

SINGLE PHASE EI—2½ (3) HLW

(53mm) FERRO-RESONANT



Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	172.7	78.33	5.79	12.7
.011	0.28	135.693	61.567	7.4	16.2
.009	0.23	111.021	50.373	9.0	19.9
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

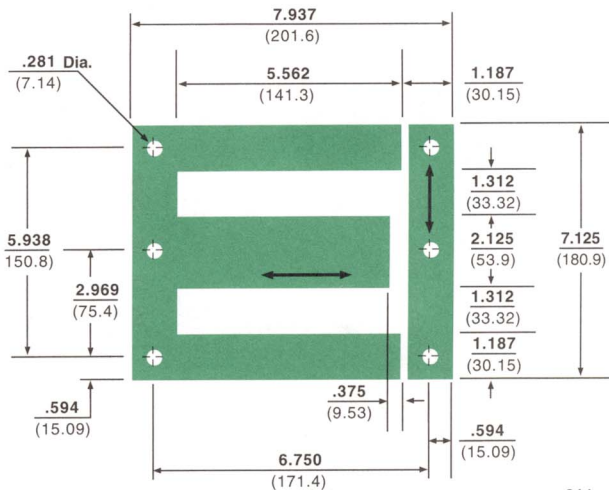
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
88.55	1452	24.74	11223	7.29	47.08

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$Q = 16.81 \text{ in.} = 42.70 \text{ cm.}$
 $A = 4.51 \text{ in.}^2 = 29.1 \text{ cm.}^2$
 60 Hertz Reactance (N = number of turns)
 $B_{\text{max}} = \frac{13 \times 10^3}{K_1 N} \text{ Gauss per volt}$
 $H_o = (.029 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$
 $L_a = (.90 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

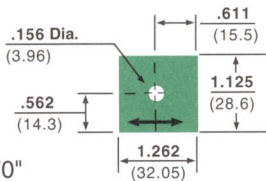
SINGLE PHASE EI—2½ (3) HLC

(53mm) FERRO-RESONANT



A set of this item consists of one E, one I and 2 shunts.

Nominal Air Gap Between Shunt and Window—.010" to .070"



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	169.6	76.93	5.90	13.0
.011	0.28	133.257	60.461	7.5	16.5
.009	0.23	109.029	49.469	9.2	20.2
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
86.86	1423	24.263	11009	7.29	47.08

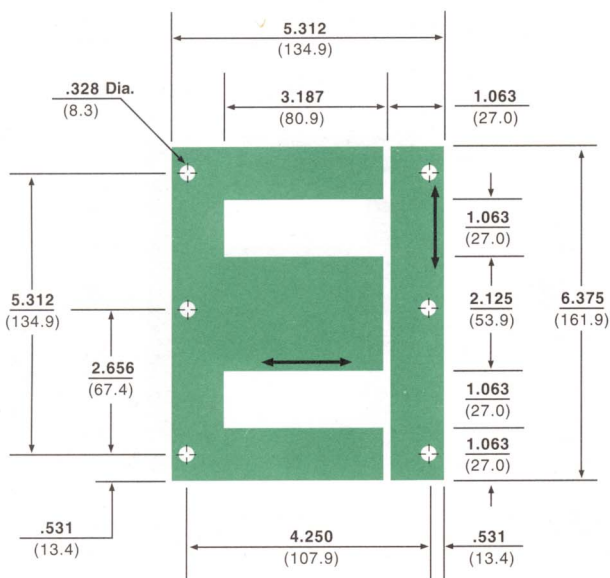
MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 16.81 \text{ in.} = 42.70 \text{ cm.}$$

$$A = 4.51 \text{ in.}^2 = 29.1 \text{ cm.}^2$$

SINGLE PHASE EI—2 $\frac{1}{8}$ H

(54mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	137.1	62.11	7.29	16.038
.014	0.35	103.8	47.02	9.63	21.186
.011	0.28	81.565	37.008	12.3	27.0
.009	0.23	66.735	30.279	15.1	33.0
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

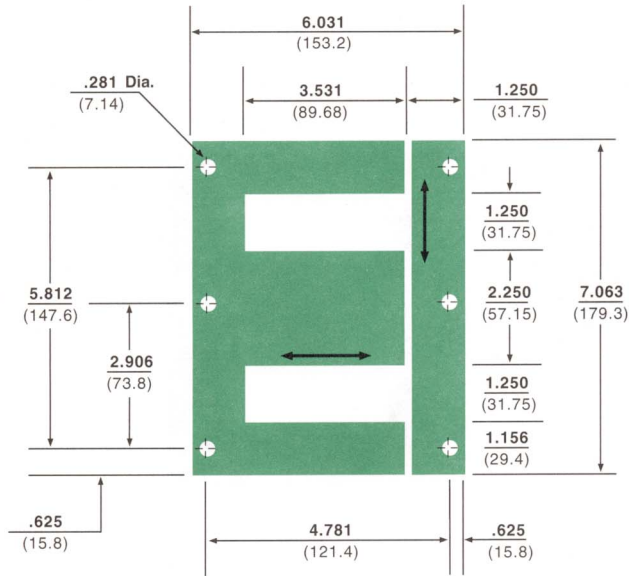
VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
56.86	931.76	15.71	7128	3.386	21.84

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$Q = 12.75 \text{ in.} = 32.38 \text{ cm.}$
 $A = 4.51 \text{ in.}^2 = 29.1 \text{ cm.}^2$
60 Hertz Reactance (N = number of turns)
 $B_{\text{max}} = \frac{13 \times 10^3}{K_1 N} \text{ Gauss per volt}$
 $H_o = (.039 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$
 $L_a = (1.19 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

SINGLE PHASE EI—2¼ Short

(57mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	171.8	77.82	5.82	12.804
.014	0.35	121.4	54.97	8.24	18.128
.011	0.28	95.386	43.279	10.5	23.1
.009	0.23	78.043	35.410	12.8	28.2
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
75.4	1235.9	19.41	8800	4.41	28.4

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$\varnothing = 14.38 \text{ in.} = 36.4 \text{ cm.}$
 $A = 5.06 \text{ in.}^2 = 32.6 \text{ cm.}^2$
60 Hertz Reactance (N = number of turns)
 $B_{\text{max}} = \frac{11.5 \times 10^3}{K_1 N} \text{ Gauss per volt}$
 $H_o = (.0346 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$
 $L_a = (1.18 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

(57mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	146.7	66.47	6.81	14.982
.014	0.35	108.8	49.30	9.19	20.218
.011	0.28	85.525	38.804	11.7	25.8
.009	0.23	69.975	31.749	14.3	31.5
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
67.6	1108	18.5	8380	3.79	24.4

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 13.5 \text{ in.} = 34.4 \text{ cm.}$$

$$A = 5.06 \text{ in.}^2 = 32.5 \text{ cm.}^2$$

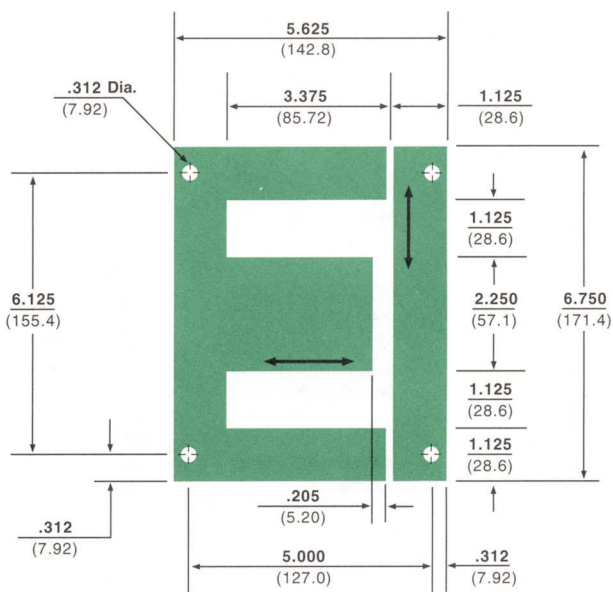
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{11.51 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_0 = (.0365 \times 10^{-3}) \text{ N Oersted per milliampere of direct current}$$

$$L_a = (1.26 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

(57mm)



Single-Phase

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	107.06	48.56	9.34	20.59
.011	0.28	84.119	38.167	11.9	16.5
.009	0.23	68.824	31.227	14.5	32.0
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
59.95	982.69	16.57	7517	3.79	24.4

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 13.5 \text{ in.} = 34.4 \text{ cm.}$$

$$A = 5.06 \text{ in.}^2 = 32.5 \text{ cm.}^2$$

(64mm)



Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	179.5	81.31	5.60	12.32
.014	0.35	133.1	60.31	7.51	16.522
.011	0.28	104.61	47.464	9.6	21.1
.009	0.23	85.59	38.834	11.7	25.8
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
91.95	1508	25.40	11530	4.69	30.3

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 15.0 \text{ in.} = 38.1 \text{ cm.}$$

$$A = 6.25 \text{ in.}^2 = 40.3 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

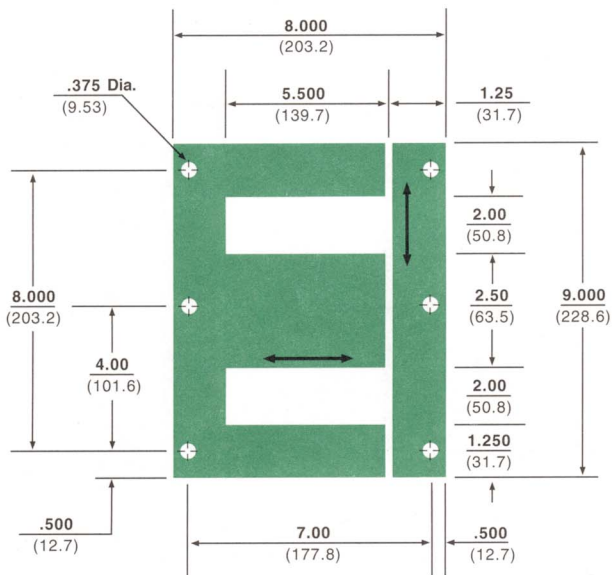
$$B_{\max} = \frac{9.3 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_0 = (.033 \times 10^{-3}) \text{ N Oersted per milliampere of direct current}$$

$$L_a = (1.40 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

WIDE WINDOW EI—2½ (3) HW

(64mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	EI's/lb.	EI's/Kg
.0185	0.47	240.6	108.9	4.16	9.152
.014	0.35	185.0	83.80	5.41	11.902
.011	0.28	145.357	65.951	6.9	15.2
.009	0.23	118.929	53.961	8.4	18.5
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
123.5	2020	34.05	15420	11.0	71.0

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 20.0 \text{ in.} = 50.8 \text{ cm.}$$

$$A = 6.25 \text{ in.}^2 = 40.3 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

$$B_{\text{max}} = \frac{9.3 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.0247 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

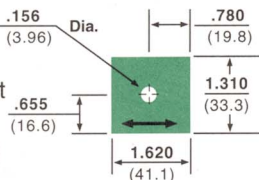
$$L_a = (1.05 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

(67mm)

FERRO-RESONANT



Also available in Centra-Gap. See page 7.



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	344.9	156.2	2.89	6.358
.011	0.28	270.993	122.955	3.7	8.1
.009	0.23	222.721	101.053	4.5	9.9
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
211	3456	58.2	26420	15.19	97.96

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$A = 6.89 \text{ in.}^2 = 44.44 \text{ cm.}^2$$

60 Hertz Reactance ($N = n$)

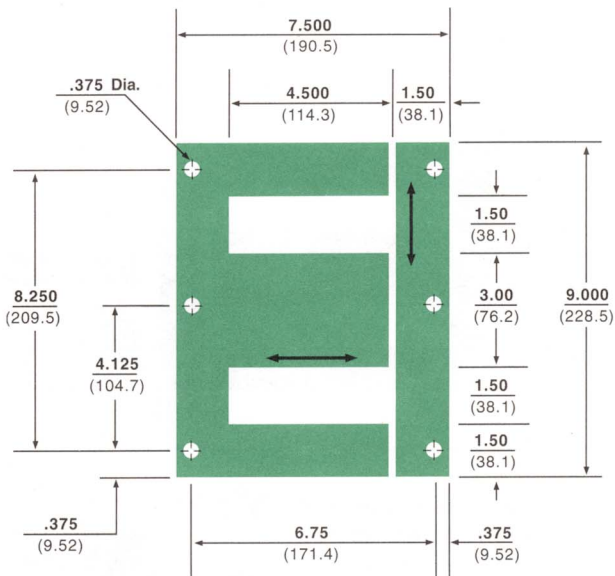
D. 8.4×10^3 Gauss per volt

$$B_{\max} = \frac{8.4 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$L_a = (.84 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE EI—3(3)MH

(76mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	274.48	124.76	3.64	8.01
.014	0.35	207.81	94.46	4.81	10.58
.011	0.28	163.279	74.083	6.1	13.5
.009	0.23	133.592	60.613	7.5	16.5
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
160.0	2620	43.7	19800	6.75	43.5

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 18.0 \text{ in.} = 45.8 \text{ cm.}$$

$$A = 9.0 \text{ in.}^2 = 58.0 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

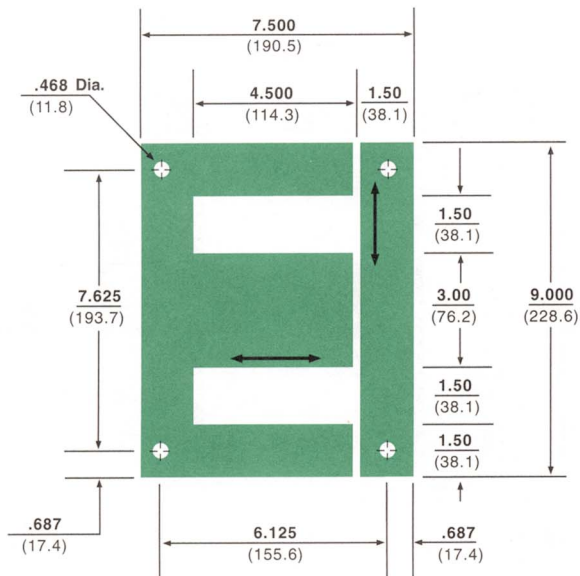
$$B_{\text{max}} = \frac{6.46 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.0274 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (1.68 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

SINGLE PHASE EI—3H

(76mm)



Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	269.1	121.9	3.72	8.184
.014	0.35	203.8	92.30	4.91	10.802
.011	0.28	160.129	72.654	6.2	13.8
.009	0.23	131.014	59.444	7.6	16.8
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
159.94	2620	43.61	19781	6.75	43.5

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 18 \text{ in.} = 45.8 \text{ cm.}$$

$$A = 9 \text{ in.}^2 = 58 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

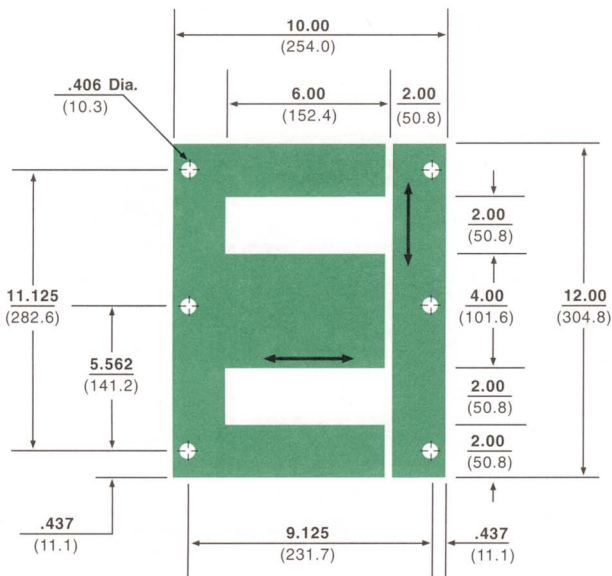
$$B_{\text{max}} = \frac{6.46 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.027 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (1.68 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

SINGLE PHASE EI—4(3)MH

(102mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	475.1	215.2	2.10	4.62
.014	0.35	357.5	161.9	2.80	6.16
.011	0.28	280.893	127.447	3.6	7.8
.009	0.23	229.821	104.275	4.4	9.6
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
381	6191	105.5	47897	12.0	77.4

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 24.0 \text{ in.} = 61.0 \text{ cm.}$$

$$A = 16.0 \text{ in.}^2 = 103 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

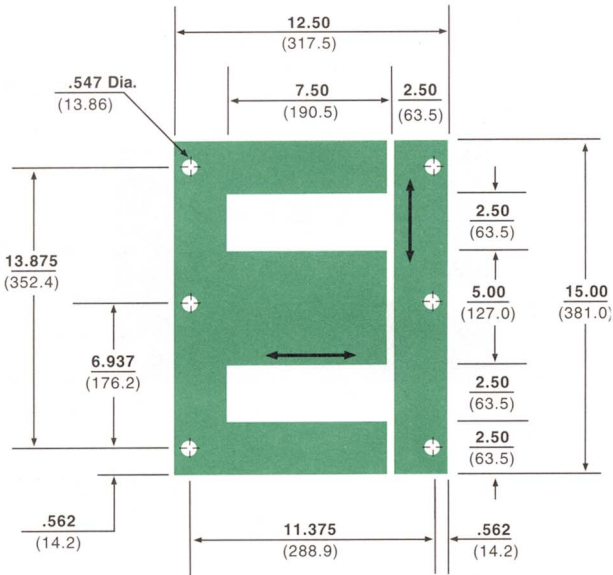
$$B_{\text{max}} = \frac{3.63 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.0206 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (2.23 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

SINGLE PHASE EI—5(3)MH

(127mm)



Note: Specify if center mounting holes are not required.
Also available in Centra-Gap. See page 7.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	555	251	1.80	3.96
.011	0.28	436.071	197.854	2.3	5.1
.009	0.23				
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
743	12064	205.8	93433	18.75	120.9

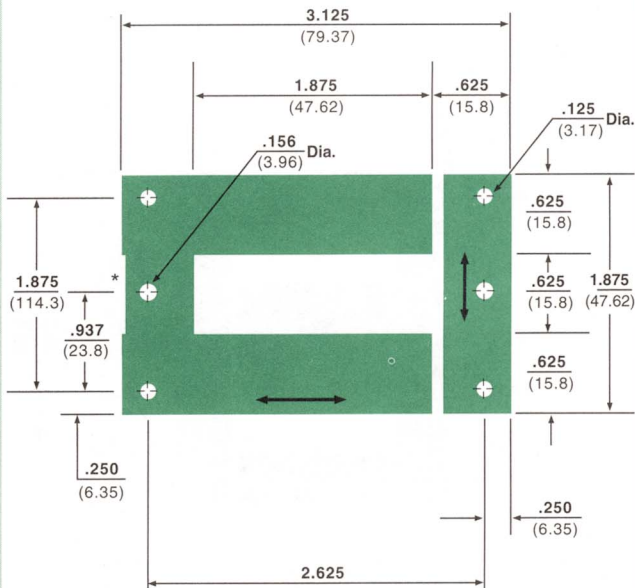
MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$\varnothing = 30.0 \text{ in.} = 76.2 \text{ cm.}$
 $A = 25.0 \text{ in.}^2 = 161.0 \text{ cm.}^2$
 60 Hertz Reactance (N = number of turns)
 $B_{\text{max}} = \frac{2.33 \times 10^3}{K_1 N} \text{ Gauss per volt}$
 $H_o = (.0165 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$
 $L_a = (2.79 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$

Single-Phase

SINGLE PHASE UI—⁵/₈H

(16mm)



*Due to method of manufacturing, there will be a .007/.010 × .625 notch in this area.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	17.81	8.08	56.15	123.80
.011	0.28	13.99	6.35	71.48	157.60
.009	0.23	11.45	5.19	87.34	192.50
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
2.93	48	.80	363	1.17	7.55

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 7.5 \text{ in.} = 19.05 \text{ cm.}$$

$$A = .391 \text{ in.}^2 = 2.52 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

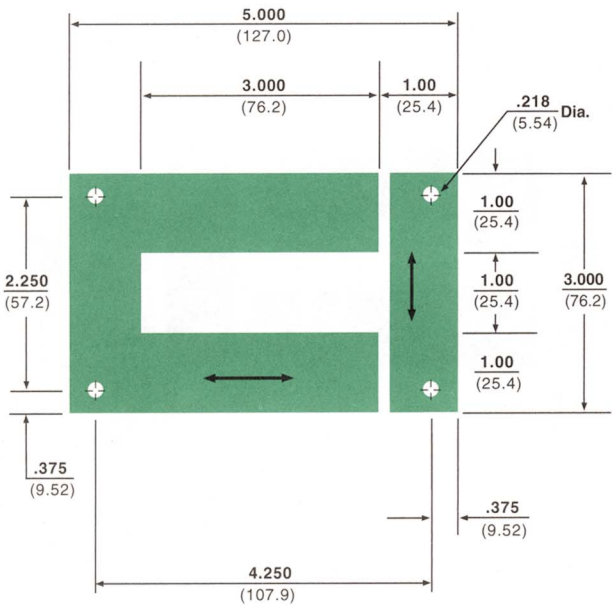
$$B_{\text{max}} = \frac{146.1 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.066 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.19 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

SINGLE PHASE UI—1MH

(25mm)



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	45.98	20.86	21.75	47.95
.011	0.28	36.13	16.39	27.68	61.02
.009	0.23	29.56	13.41	33.83	74.58
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
12	196.7	3.31	1502	3.0	19.35

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 12 \text{ in.} = 30.48 \text{ cm.}$$

$$A = 1.0 \text{ in.}^2 = 6.71 \text{ cm.}^2$$

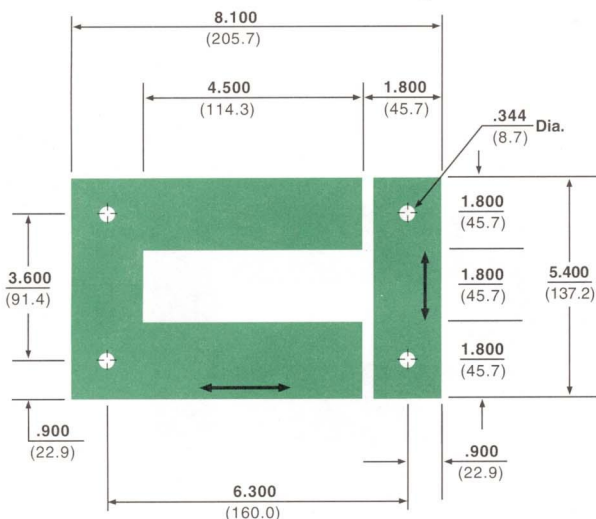
60 Hertz Reactance (N = number of turns)

$$B_{\text{max}} = \frac{58.16 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.0412 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.304 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

(46mm)



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	136.8	62.0	7.31	16.12
.011	0.28	107.49	48.8	9.30	20.50
.009	0.23	87.94	39.9	11.37	25.06
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
60.31	990	16.71	7580	8.10	52.3

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 19.80 \text{ in.} = 50.29 \text{ cm.}$$

$$A = 3.24 \text{ in.}^2 = 20.95 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

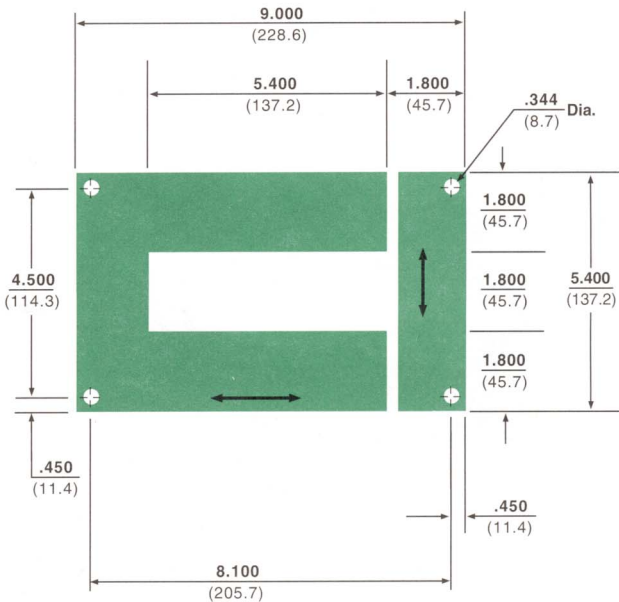
$$B_{\max} = \frac{17.95 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_0 = (.025 \times 10^{-3}) \text{ N Oersts per milliampere of direct current}$$

$$L_a = (.548 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

SINGLE PHASE UI—1.80MH

(46mm)



Due to method of manufacturing, there will be a .010 inch indentation the width of the window where (*) appears.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	149.3	67.7	6.70	14.77
.011	0.28	117.31	53.23	8.52	18.78
.009	0.23	95.98	43.55	10.42	22.97
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
65.81	1080	18.23	8270	9.72	62.7

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 21.60 \text{ in.} = 54.86 \text{ cm.}$$

$$A = 3.24 \text{ in.}^2 = 20.90 \text{ cm.}^2$$

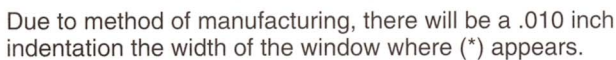
60 Hertz Reactance (N = number of turns)

$$B_{\text{max}} = \frac{17.95 \times 10^3}{K_1 N} \text{ Gauss per volt}$$

$$H_o = (.023 \times 10^{-3}) N \text{ Oersteds per milliampere of direct current}$$

$$L_a = (.503 \times 10^{-8}) K_1 N^2 \mu_{\text{ac}} \text{ Henrys}$$

UI's

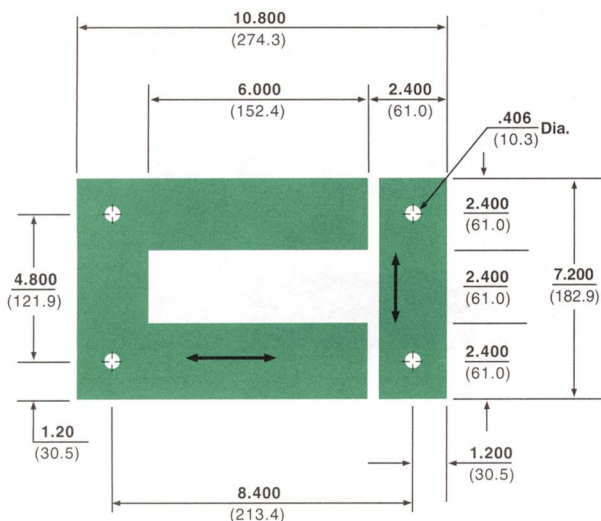


CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

108

(61mm)



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	243.7	110.5	4.10	9.05
.011	0.28	191.48	86.88	5.22	11.50
.009	0.23	156.66	71.08	6.38	14.06
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
143.28	2350	39.69	18000	14.40	92.9

$$Q = 26.40 \text{ in.} = 67.06 \text{ cm.}$$

$$A = 5.76 \text{ in.}^2 = 37.2 \text{ cm.}^2$$

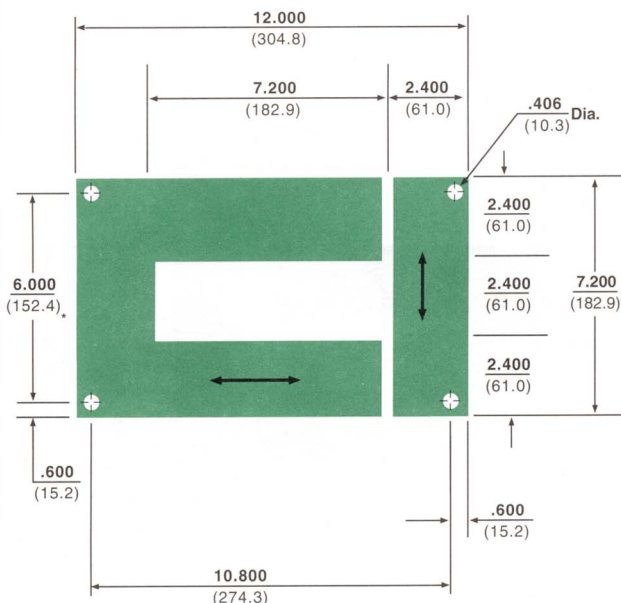
60 Hertz Reactance (N = number of turns)

$$B_{\max} = \frac{10 \cdot 10 \times 10^3}{K_N} \text{ Gauss per volt}$$

$$H_o = (.019 \times 10^{-3}) \text{ N Oersts per milliampere of direct current}$$

$$L_a = (.731 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

(61mm)



Due to method of manufacturing, there will be a .010 inch indentation the width of the window where (*) appears.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	266.1	120.7	3.76	8.29
.011	0.28	209.08	94.86	4.78	10.54
.009	0.23	171.06	77.61	5.85	12.89
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
156.44	2560	43.33	19660	17.28	111.5

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 28.80 \text{ in.} = 73.15 \text{ cm.}$$

$$A = 5.76 \text{ in.}^2 = 37.2 \text{ cm.}^2$$

60 Hertz Reactance (N = number of turns)

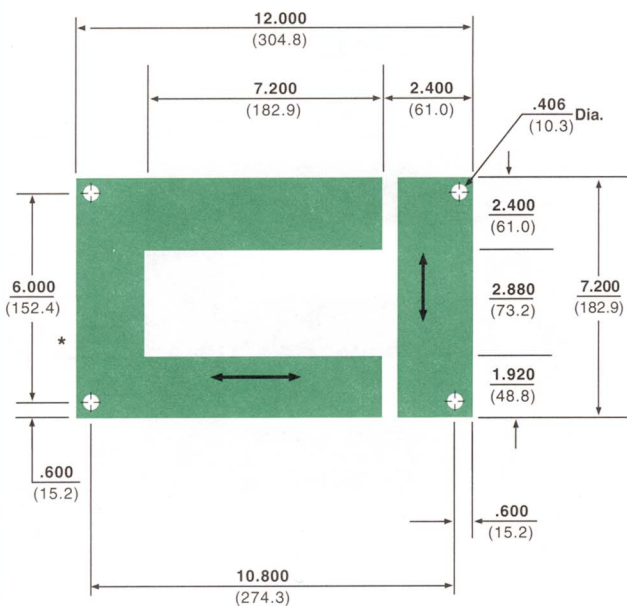
$$B_{\max} = \frac{10.10 \times 10^3}{K.N} \text{ Gauss per volt}$$

$$H_o = (.017 \times 10^{-3}) \text{ N Oersts per milliampere of direct current}$$

$$L_a = (.670 \times 10^{-8}) K_1 N^2 \mu_{ac} \text{ Henrys}$$

WIDE WINDOW UI—2.40MHW

(61mm)



Due to method of manufacturing, there will be a .010 inch indentation the width of the window where (*) appears.

THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	252.5	114.5	3.96	8.73
.011	0.28	198.39	90.01	5.04	11.11
.009	0.23	162.32	73.65	6.16	13.58
.007	0.18				
.006	0.15				
.004	0.10				

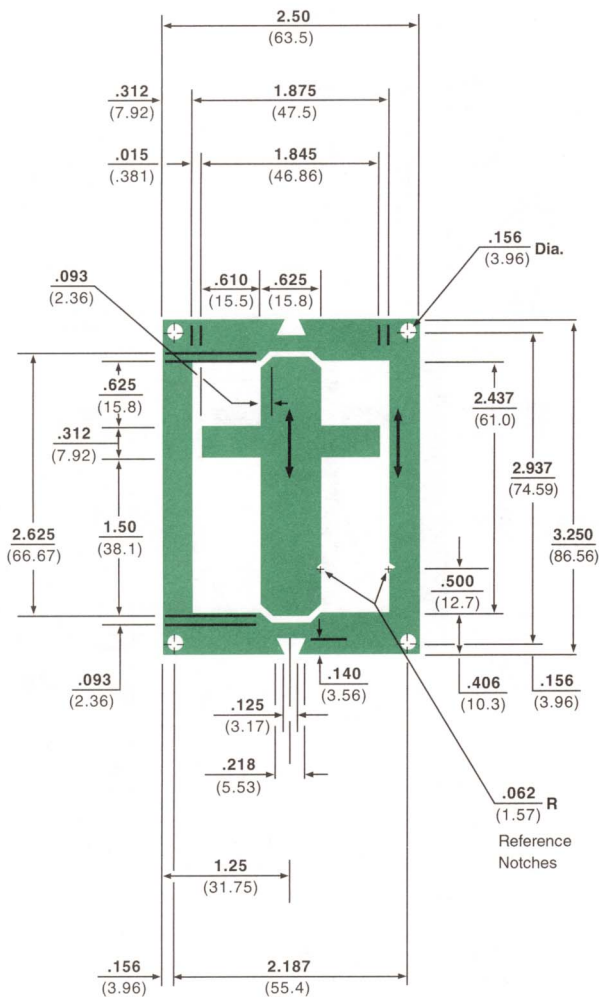
CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
148.46	2430	41.12	18650	20.74	133.8

MAGNETIC PATH DIMENSIONS AND DESIGN FORMULAS

$$Q = 29.28 \text{ in.} = 74.37 \text{ cm.}$$

CRUCIFORM TO—⁵/₈
(16mm) FERRO-RESONANT

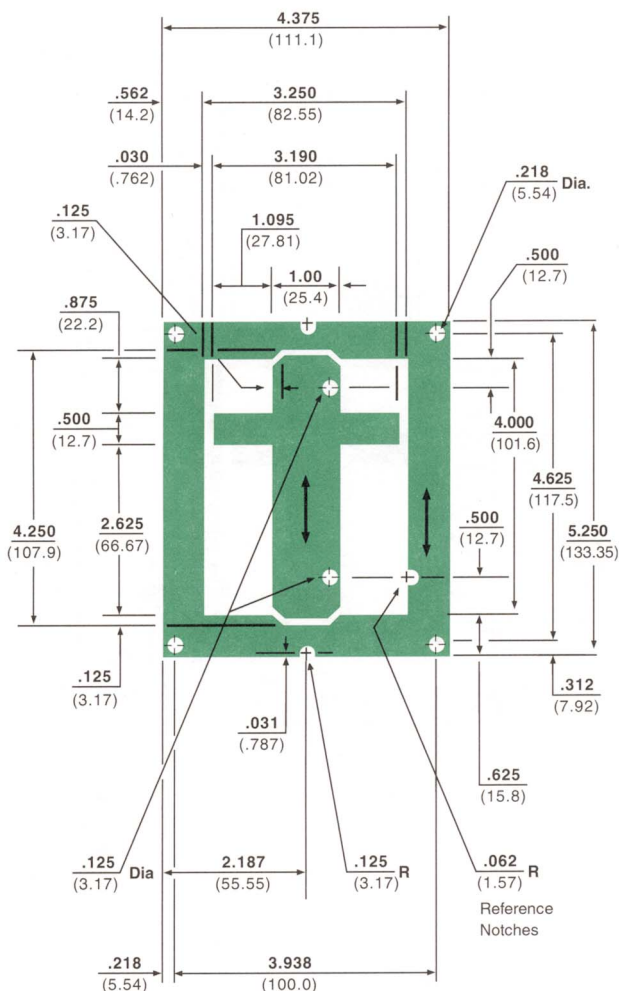


THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	20.64	9.35	46.2	101.64
.011	0.28				
.009	0.23				
.007	0.18				
.006	0.15				
.004	0.10				

**CHARACTERISTICS OF CORE STACK
HAVING SQUARE CENTER**

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
3.23	52.5	.895	405	1.317	8.5

(25mm) FERRO-RESONANT

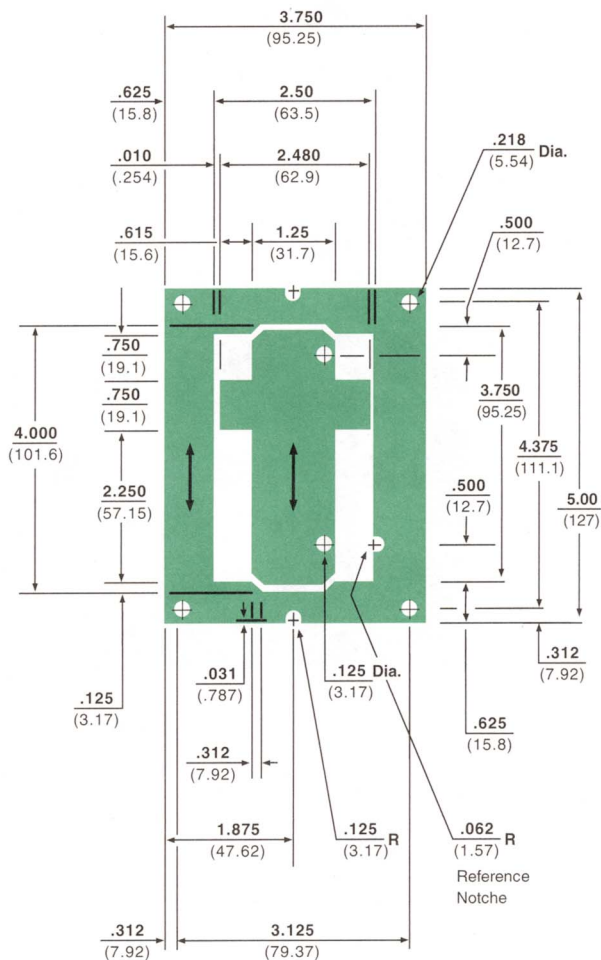


THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	57.49	26.04	17.4	38.28
.011	0.28				
.009	0.23				
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
14.816	243	4.12	1875	3.875	24.99

CRUCIFORM TO—1¼
(32mm) FERRO-RESONANT

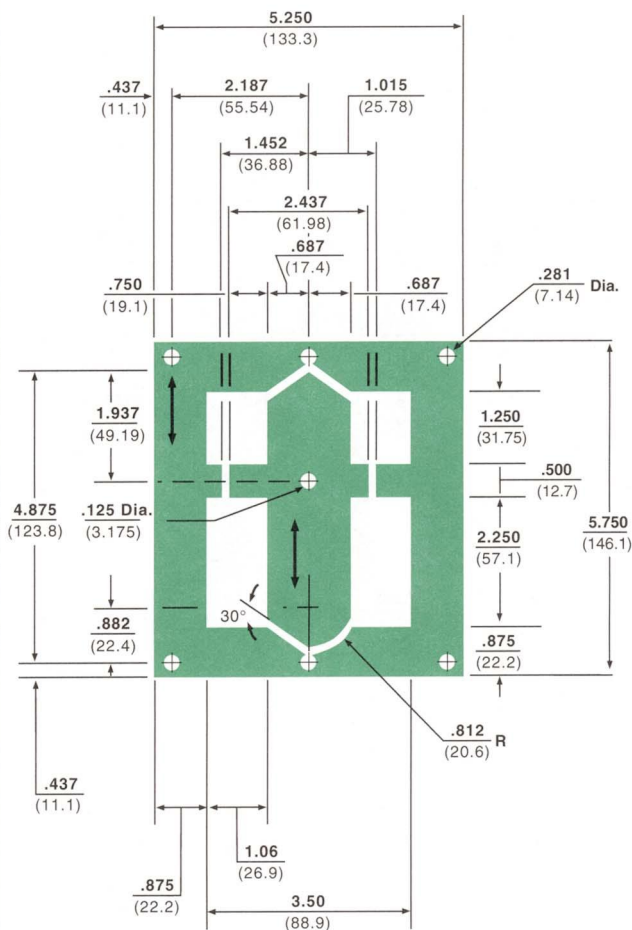


THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47	69.13	31.31	14.45	31.79
.014	0.35				
.011	0.28				
.009	0.23				
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK
HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
18.31	300.10	4.78	2160	1.875	12.10

CRUCIFORM TO—1³/₈
(35mm) FERRO-RESONANT



THICKNESS		LAMINATION WEIGHTS			
in.	mm.	lb./1 K	Kg/1 K	El's/lb.	El's/Kg
.0185	0.47				
.014	0.35	86.72	39.28	11.53	25.366
.011	0.28				
.009	0.23				
.007	0.18				
.006	0.15				
.004	0.10				

CHARACTERISTICS OF CORE STACK HAVING SQUARE CENTER

VOLUME		WEIGHT		WINDOW AREA	
cu. in.	cu. cm.	lbs.	grams	sq. in.	sq. cm.
30.73	503.612	8.49	3853	3.72	23.99