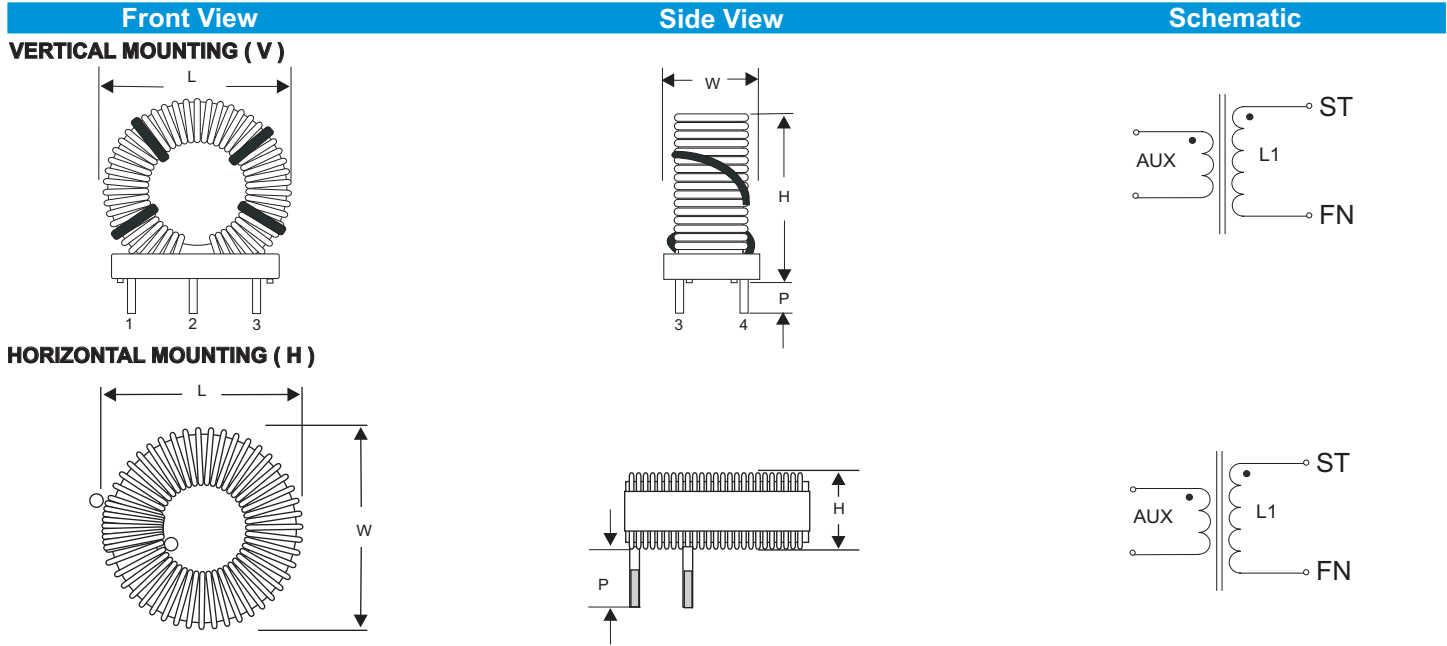




MAX. DIM :
 L = 72.64 mm
 W = 68.58 mm
 H = 71.12 mm

- Designed for use in off-line AC/DC pre-regulators circuits for switching power converters applications.
- Low cores loss and high flux density.
- Auxiliary winding optional.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	RoHS PART NUMBER	Mounting / PCB LAYOUT	L (mm) max.	W (mm) max.	H (mm) max.	Auxiliary Winding / L1 Ratio	DCR(mΩ) ¹ max.	L (μH) ¹ min.	Freq. (KHz)	Volt (V)	L1 ST - FN	AUX ST - FN	I @ 80% L (A DC)	I @ 65% L (A DC)	I @ 50% L (A DC)	I @ 30% L (A DC)
	T23031	V / FIG.1	67.31	29.21	68.58	---	11	52	10.0	0.25	2 - 5	---	34.22	56.00	77.77	124.44
	T23004	V / FIG.1	70.99	33.99	70.99	---	8	60	1.0	1.00	2,3 - 6,5	---	33.18	54.30	75.42	120.67
	T23005	V / FIG.1	70.99	33.99	70.99	---	14	111	1.0	1.00	2,3 - 6,5	---	24.33	39.82	55.31	88.49
T23041		V / FIG.1	67.31	30.48	68.58	---	17	135	1.0	1.00	2 - 5	---	21.90	35.84	49.78	79.64
T23040		V / FIG.1	67.31	30.48	68.58	---	22	146	1.0	1.00	2 - 5	---	21.06	34.46	47.86	76.58
	T23003	V / FIG.1	71.00	30.50	71.00	---	21	149	1.0	1.00	2,3 - 6,5	---	21.06	34.46	47.86	76.58
T23039		V / FIG.1	67.31	30.48	68.58	---	24	198	1.0	1.00	2 - 5	---	18.25	29.87	41.48	66.37
	T23015	V / FIG.1	67.31	27.94	67.31	---	34	241	1.0	0.25	2 - 5	---	16.59	27.15	37.71	60.33
	T23019	V / FIG.1	67.31	29.21	68.58	---	28	241	10.0	0.25	2 - 5	---	16.59	27.15	37.71	60.33
T23A15		V / FIG.1	67.31	30.48	68.58	---	28	241	1.0	1.00	2 - 5	---	16.59	27.15	37.71	60.33
T23B15		V / FIG.1	67.31	30.48	68.58	---	28	241	1.0	1.00	2 - 5	---	16.59	27.15	37.71	60.33
	T23C15	V / FIG.1	67.31	30.48	68.58	---	28	241	1.0	1.00	2 - 5	---	16.59	27.15	37.71	60.33
T23012		V / FIG.1	71.00	30.50	71.00	---	53	291	1.0	1.00	2 - 5	---	14.80	24.22	33.63	53.81
T23025		V / FIG.2	63.50	30.48	67.31	---	120	400	1.0	0.25	1,3 - 2,4	---	10.61	17.36	24.11	38.57
	T23013	V / FIG.1	71.00	30.50	71.00	---	55	437	1.0	1.00	2 - 5	---	12.17	19.91	27.65	44.25
	T23074*	H / FIG.6	68.58	68.58	28.70	---	55	437	1.0	0.10	1 - 2	---	12.17	19.91	27.65	44.25
T23018		V / FIG.3	68.58	30.48	68.58	---	118	495	1.0	0.10	1,2 - 4,5	---	11.17	18.28	25.40	40.63
	T23054	V / FIG.1	67.31	29.21	68.58	---	90	508	1.0	1.00	2 - 5	---	11.40	18.60	26.00	41.50
T23022	T23L22	V / FIG.4	72.64	33.53	70.61	---	95	818	10.0	0.25	1,2 - 4,5	---	7.54	12.34	17.14	27.42
	T23035	V / FIG.5	67.06	27.94	71.12	---	241	1620	1.0	0.25	1,2 - 4,5	---	6.33	10.36	14.39	23.02
T23024		V / FIG.5	67.06	27.94	71.12	---	286	1989	10.0	0.25	2 - 5	---	5.70	9.33	12.96	20.74
	T23034	V / FIG.5	67.06	27.94	71.12	---	270	1989	1.0	0.25	1,2 - 4,5	---	5.70	9.33	12.96	20.74

Contact FALCO for detailed specifications for P dimension.

*Paper phenolic is used as base.

1. AMBIENT TEMPERATURE TEST AT 25°C.



RoHS COMPLIANT PRODUCT

PCB LAYOUT SPECIFICATIONS

SUGGESTED PCB Layout (Top)

Figure 1

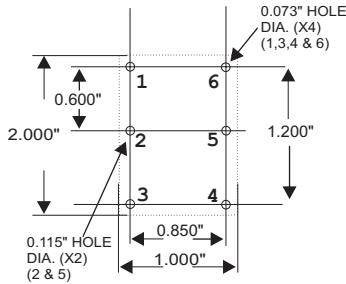


Figure 2

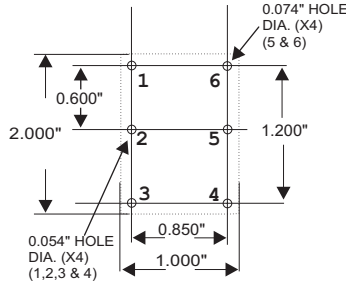
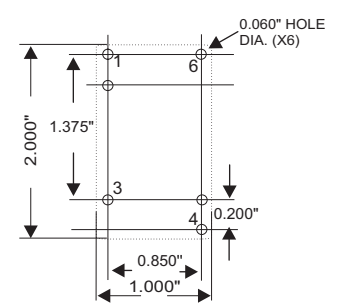


Figure 3



- | | |
|--|---|
| FOR T23004
0.102" HOLE DIA. (X4) PINS 2,3,5 & 6
0.074" HOLE DIA. (X2) PINS 1 & 4 | FOR T23019
0.073" HOLE DIA. (X4) PINS 1,3,4 & 6
0.093" HOLE DIA. (X2) PINS 2 & 5 |
| FOR T23005
0.090" HOLE DIA. (X4) PINS 2,3,5 & 6
0.074" HOLE DIA. (X2) PINS 1 & 4 | FOR T23A15/B15 T23040/41 & T23039
0.073" HOLE DIA. (X4) PINS 1,3,4 & 6
0.106" HOLE DIA. (X2) PINS 2 & 5 |
| FOR T23003
0.078" HOLE DIA. (X4) PINS 2,3,5 & 6
0.076" HOLE DIA. (X2) PINS 1 & 4 | FOR T23C15
0.073" HOLE DIA. (X4) PINS 1,3,4 & 6
0.110" HOLE DIA. (X2) PINS 2 & 5 |
| FOR T23015
0.073" HOLE DIA. (X4) PINS 1,3,4 & 6
0.081" HOLE DIA. (X2) PINS 2 & 5 | FOR T23012 & T23013
0.074" HOLE DIA. (X4) PINS 1,3,4 & 6
0.078" HOLE DIA. (X2) PINS 2 & 5 |
| FOR T23054
0.093" HOLE DIA. (X4) PINS 1,3,4 & 6
0.113" HOLE DIA. (X2) PINS 2 & 5 | |

Figure 4

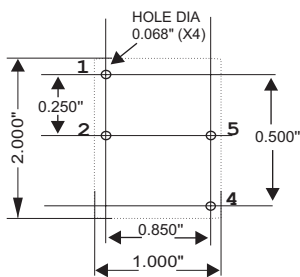
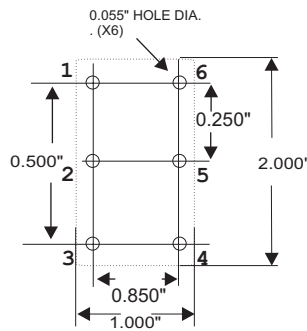


Figure 5



FOR T23034 & T23035
0.058" HOLE DIA. (X6)

Figure 6

