



3 Winding EMI Common Mode Suppression Inductors

SURFACE MOUNT

PICO surface mount units utilize materials and methods to withstand extreme temperatures of vapor phase, I.R., and other reflow procedures without degradation of electrical or mechanical characteristics.

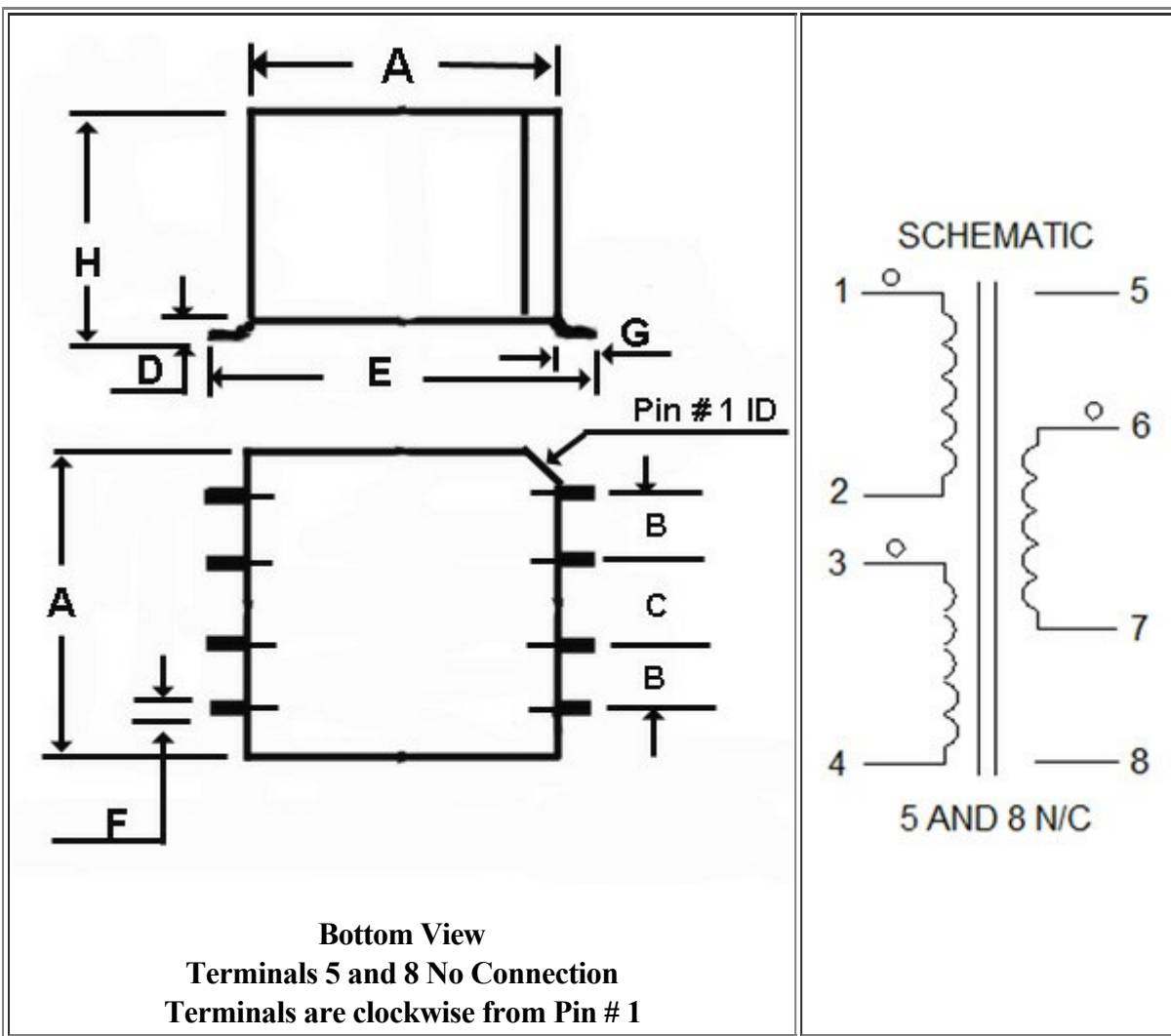
Specifications

- All units manufactured to Mil-PRF-27, Grade 5, Class S (Class V 155°C available).
- Dielectric Strength...1500 Volts RMS
- Windings Balanced $\pm 1\%$
- Maximum ambient plus temperature rise limited to 130° C.
- Inductance Tolerance: Minimum inductance is 80% of list value with no maximum value.
- Moisture Sensitivity Level: MSL3

These inductors are well suited for use in Switching Regulators, DC to DC Power Supplies, and all types of Electrical Equipment where the elimination of line transmitted Electromagnetic Interference is important. Electrical equipment will generate noise due to switching operations of transistors, SCR's, replays, triacs, etc. By using these Inductors, noise being fed to the power line is minimized to an acceptable level and this noise will not interfere with other equipment operating on the same power line.

Inductance (Each Winding) (uH)	Current RMS (Amps)	DC Resistance (mOhms)	Leakage Inductance Typical (uH)	Size	Model Number	Prices 1-9 (US \$)
100 uH	1.20	11.0	0.68	1	37100	45.23
	3.25	6.4	1.10	2	37200	45.23
	6.50	3.4	1.20	3	37300	45.23
	8.20	3.4	1.52	4	37400	49.75
150 uH	1.00	18.0	1.10	1	37110	45.23
	2.04	12.6	1.38	2	37210	45.23
	4.10	6.0	1.60	3	37310	45.23
	6.50	4.8	2.06	4	37410	49.75
200 uH	0.80	25.0	1.40	1	37120	45.23
	1.61	16.5	2.10	2	37220	45.23
	3.25	10.0	2.35	3	37320	45.23
	5.20	6.8	2.50	4	37420	49.75
300 uH	0.63	38.0	2.15	1	37130	45.23
	1.28	23.0	2.90	2	37230	45.23
	2.56	13.5	2.90	3	37330	45.23
	4.10	10.1	3.10	4	37430	49.75
400 uH	0.50	55.0	2.75	1	37140	45.23
	1.00	34.0	3.00	2	37240	45.23
	2.04	20.0	3.90	3	37340	45.23
	3.24	13.4	4.52	4	37440	49.75

500 uH	0.40	79.0	3.62	1	37150	45.23
	0.80	45.0	3.52	2	37250	45.23
	1.62	27.6	4.30	3	37350	45.23
	2.56	20.0	5.70	4	37450	49.75
1000 uH	0.26	160.0	5.79	1	37160	45.23
	0.63	76.0	6.20	2	37260	45.23
	0.80	94.2	5.30	3	37360	45.23
	2.04	27.2	8.50	4	37460	49.75
1500 uH	0.16	305.0	6.50	1	37170	45.23
	0.40	145.0	7.10	2	37270	45.23
	0.51	146.0	6.70	3	37370	45.23
	1.61	54.0	9.30	4	37470	49.75



Size	Height	A	B	C	D	E	F	G
1	.280 (7.11)	.625 (15.87)	.100 (2.54)	.200 (5.08)	.030 (0.76)	.745 (18.92)	.025 (0.64)	.060 (1.52)
2	.400 (10.16)	.750 (19.05)	.150 (3.81)	.250 (6.35)	.030 (0.76)	.870 (22.10)	.040 (1.02)	.060 (1.52)
3	.475 (12.06)	.850 (21.59)	.150 (3.81)	.350 (8.89)	.030 (0.76)	1.050 (26.67)	.040 (1.02)	.100 (2.54)
4	.550 (13.97)	1.125 (28.57)	.200 (5.08)	.525 (13.33)	.030 (0.76)	1.425 (36.20)	.055 (1.40)	.150 (3.81)

Ordering Instructions:

No minimum.

Net 30 days F.O.B. Pelham, NY

Delivery--stock to one week for sample orders.

- Minimum possible size
- 130° C operation (Ambient plus temperature rise)
- Windings balance $\pm 1\%$
- Dielectric strength...1500 Volts RMS

For immediate engineering assistance or to place an order:

Call Toll Free: 800-431-1064

PICO Electronics, Inc.

143 Sparks Ave. Pelham, NY 10803-1810

Tel: 914-738-1400 or Fax: 914-738-8225

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