

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.

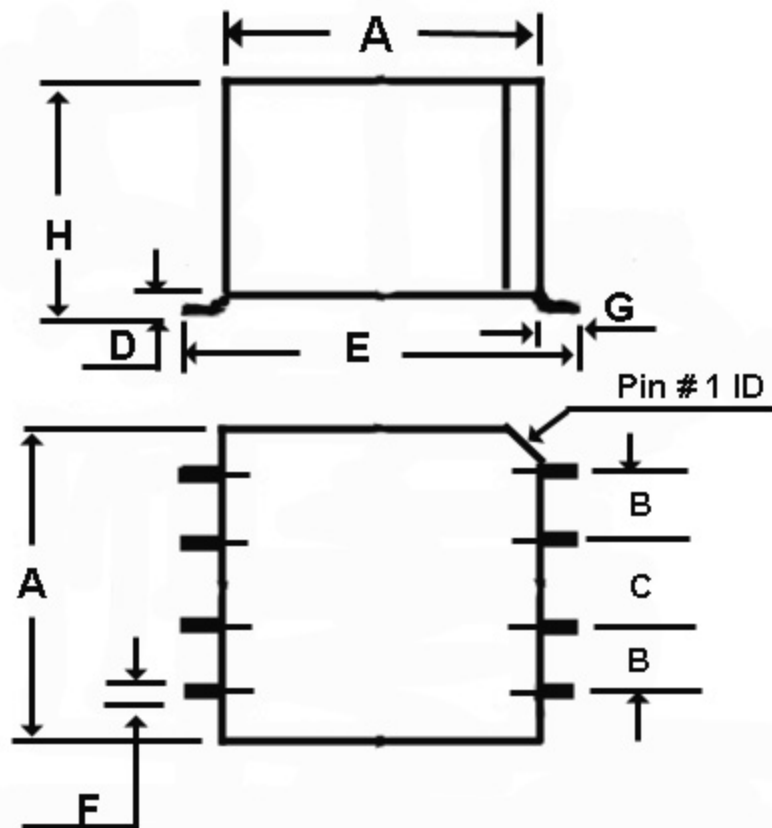
Specifications

- 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
- Terminals: Meets solderability per MIL-STD-202, Method 208.

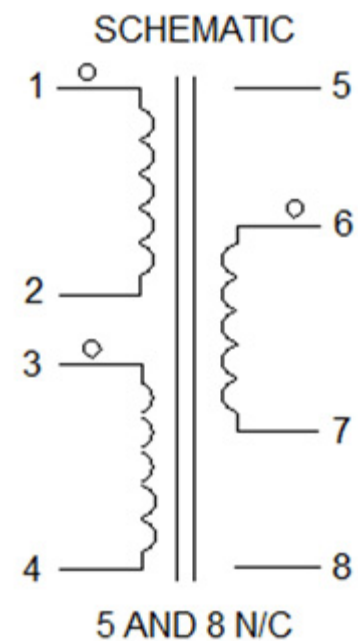
These inductors are well suited for use in Switching Regulators, DC to DC Power Supplies, and all types of Electrical Equipment where the elimination of line transmitted Electromagnetic Interference is important. Electrical equipment will generate noise due to switching operations of transistors, SCR's, 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	63.94
	3.25	6.4	1.10	2	37200	63.94
	6.50	3.4	1.20	3	37300	63.94
	8.20	3.4	1.52	4	37400	70.33
150 uH	1.00	18.0	1.10	1	37110	63.94
	2.04	12.6	1.38	2	37210	63.94
	4.10	6.0	1.60	3	37310	63.94
	6.50	4.8	2.06	4	37410	70.33
200 uH	0.80	25.0	1.40	1	37120	63.94
	1.61	16.5	2.10	2	37220	63.94
	3.25	10.0	2.35	3	37320	63.94
	5.20	6.8	2.50	4	37420	70.33

300 uH	0.63	38.0	2.15	1	37130	63.94
	1.28	23.0	2.90	2	37230	63.94
	2.56	13.5	2.90	3	37330	63.94
	4.10	10.1	3.10	4	37430	70.33
400 uH	0.50	55.0	2.75	1	37140	63.94
	1.00	34.0	3.00	2	37240	63.94
	2.04	20.0	3.90	3	37340	63.94
	3.24	13.4	4.52	4	37440	70.33
500 uH	0.40	79.0	3.62	1	37150	63.94
	0.80	45.0	3.52	2	37250	63.94
	1.62	27.6	4.30	3	37350	63.94
	2.56	20.0	5.70	4	37450	70.33
1000 uH	0.26	160.0	5.79	1	37160	63.94
	0.63	76.0	6.20	2	37260	63.94
	0.80	94.2	5.30	3	37360	63.94
	2.04	27.2	8.50	4	37460	70.33
1500 uH	0.16	305.0	6.50	1	37170	63.94
	0.40	145.0	7.10	2	37270	63.94
	0.51	146.0	6.70	3	37370	63.94
	1.61	54.0	9.30	4	37470	70.33



Bottom View
Terminals 5 and 8 No Connection
Terminals are clockwise from Pin # 1



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)
Units are in inches. () = millimeters								

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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