PICO Electronics

Power Inductors

FOR MULTIPLE OUTPUT REGULATORS WE CAN SUPPLY ALL NECESSARY INDUCTANCE VALUES ON ONE CORE. This technique provides minimum possible size and gives excellent dynamic and DC cross-regulation. Contact factory for these special inductors.

- Handle large transient DC currents
- Minimum possible size
- Manufactured to MIL-PRF-27, Grade 5, Class S.
- Special high frequency core material to insure low losses
- All units have split windings
- Large selection of sizes available

All Inductors have split windings (except size AA)-- ratings shown in table are for series connection. Parallel connection will have 1/4 inductance at twice the DC current and 1/4 the DC resistance, ie. parallel connection of PICO 69010 will have 32.5 microhenry with DC resistance of .015 Ohms at 6 Amps DC current (10% drop in L)

Power Inductors
SIZE AA

LODC MICROHY (µH)	IDC for 10% DROP in L AMPS	IDC for 20% DROP in L AMPS	IDC for 30% DROP in L AMPS	RDC OHMS	SRF MHz	PICO PART NUMBER	PRICE (1-9) (US $)
25	3.53	4.80	5.94	.012	4.0	69410	74.93
50	2.5	3.4	4.2	.024	3.0	69420	74.93
75	2.04	2.78	3.43	.036	2.4	69430	74.93
100	1.77	2.4	2.99	.048	2.0	69440	74.93
250	1.12	1.52	1.88	.12	1.3	69450	74.93
750	.65	.88	1.08	.36	.75	69460	74.93
1000	.56	.76	.94	.48	.65	69470	74.93
1500	.46	.62	.77	.72	.55	69480	74.93
2500	.35	.48	.59	1.2	.4	69490	74.93
5000	.25	.34	.42	2.4	.3	69500	74.93

Power Inductors
SIZE A

LODC MICROHY (µH)	IDC for 10% DROP in L AMPS	IDC for 20% DROP in L AMPS	IDC for 30% DROP in L AMPS	RDC OHMS	SRF MHz	PICO PART NUMBER	PRICE (1-9) (US $)
130	3.0	4.5	5.5	.060	1.7	69010	74.93
210	2.5	3.5	4.5	.11	1.4	69020	74.93
260	2.2	3.2	3.9	.14	1.25	69030	74.93
315	2.0	2.9	3.5	.17	1.14	69040	74.93
525	1.6	2.2	2.7	.28	0.9	69050	74.93
790	1.2	1.8	2.2	.42	0.7	69060	74.93
1050	1.0	1.6	1.9	.56	0.6	69070	74.93
1300	.95	1.4	1.7	.7	0.4	69080	74.93

Power Inductors
SIZE B

LODC MICROHY (µH)	IDC for 10% DROP in L AMPS	IDC for 20% DROP in L AMPS	IDC for 30% DROP in L AMPS	RDC OHMS	SRF MHz	PICO PART NUMBER	PRICE (1-9) (US $)
228	3.5	5.2	6.8	.070	1.1	69105	82.45
323	2.7	4.0	5.0	.105	0.9	69115	82.45
460	2.5	3.7	4.8	.15	0.8	69125	82.45
787	1.9	2.8	3.7	.26	0.6	69135	82.45
1050	1.6	2.4	3.2	.34	0.5	69145	82.45
1310	1.5	2.2	2.8	.43	0.45	69155	82.45
1600	1.3	2.0	2.6	.52	0.4	69165	82.45
1840	1.2	1.8	2.4	.60	0.38	69175	82.45
2100	1.1	1.7	2.2	.70	0.33	69185	82.45

Power Inductors
SIZE C

LODC MICROHY (µH)	IDC for 10% DROP in L AMPS	IDC for 20% DROP in L AMPS	IDC for 30% DROP in L AMPS	RDC OHMS	SRF MHz	PICO PART NUMBER	PRICE (1-9) (US $)
165	5.0	7.0	9.5	.04	1.4	69205	90.59
191	4.7	7.0	8.8	.05	1.3	69215	90.59
262	4.0	5.6	7.5	.07	1.1	69225	90.59
390	3.3	4.6	6.2	.10	0.9	69235	90.59
525	2.8	4.0	5.3	.14	0.8	69245	90.59
790	2.3	3.2	4.3	.20	0.6	69255	90.59
1050	2.0	2.8	3.8	.27	0.55	69265	90.59
1310	1.8	2.5	3.4	.34	.5	69275	90.59
1580	1.6	2.3	3.0	.41	.45	69285	90.59
1838	1.5	2.1	2.8	.48	.4	69295	90.59

Power Inductors
SIZE D

LODC MICROHY (µH)	IDC for 10% DROP in L AMPS	IDC for 20% DROP in L AMPS	IDC for 30% DROP in L AMPS	RDC OHMS	SRF MHz	PICO PART NUMBER	PRICE (1-9) (US $)
150	6.35	9.23	11.5	.027	1.4	69310	99.71
250	4.9	7.15	9.0	.045	1.2	69320	99.71
500	3.5	5.0	6.32	.09	.8	69330	99.71
750	2.8	4.13	5.16	.135	.65	69340	99.71
1000	2.5	3.6	4.5	.18	.55	69350	99.71
2500	1.55	2.26	2.8	.45	.35	69360	99.71
5000	1.1	1.6	2.0	.9	.25	69370	99.71

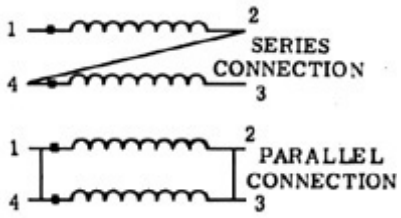
Power Inductors
SIZE E

LODC MICROHY (µH)	IDC for 10% DROP in L AMPS	IDC for 20% DROP in L AMPS	IDC for 30% DROP in L AMPS	RDC OHMS	SRF MHz	PICO PART NUMBER	PRICE (1-9) (US $)
1500	2.6	4.5	6.0	.13	.4	69605	108.23
2000	2.25	3.9	5.2	.17	.35	69615	108.23
3000	1.85	3.2	4.25	.26	.3	69625	108.23
4000	1.6	2.8	3.7	.35	.25	69635	108.23
5000	1.45	2.5	3.3	.45	.2	69645	108.23
7500	1.15	2.0	2.7	.65	.18	69655	108.23
10,000	1.0	1.75	2.35	.85	.15	69665	108.23

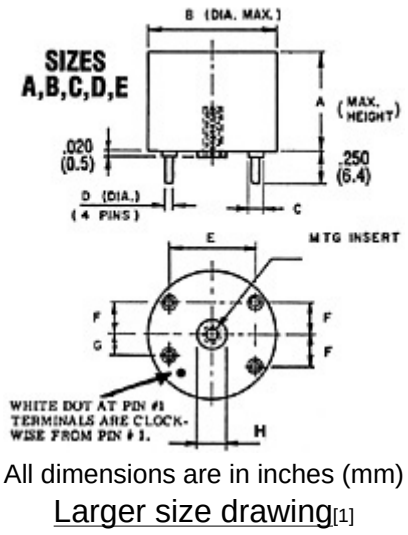
***Discount Prices 1-9 Net; 10-24 less 10%; 25-49 less 16%; 50-99 less 23%; 100-499 less 30%
Ordering Instructions: No minimum.

Net 30 days F.O.B Pelham, New York

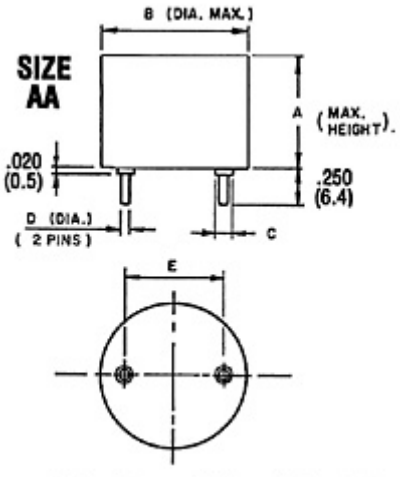
Terminal Arrangement



These PICO Power Inductors Can Handle Large Transient DC Currents
They are ideal for Noise, Spike and Power Filtering Applications in Power Supplies, DC-DC Converters and Switching Regulators.

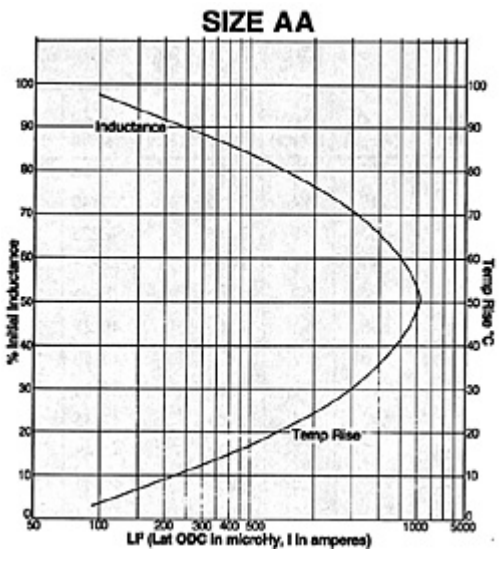


All dimensions are in inches (mm)
Larger size drawing[1]

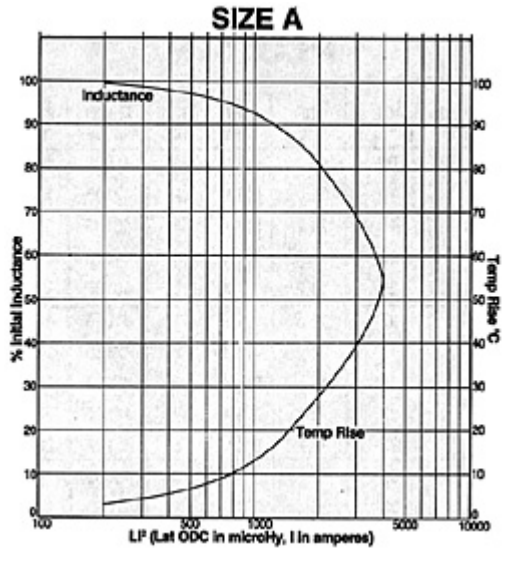


Larger size drawing[2]

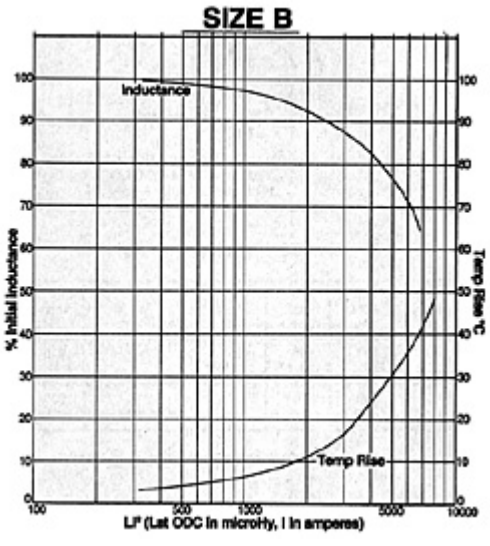
Size	A Max. Height	B Max. Dia.	C	D Terminal Dia.	E	F	G	H	Mfg Insert	Wt. Nominal Grams
AA	.45" (11.4)	.75 (19.1)	.1 (2.54)	.07 (1.78)	.5" (12.7)	----	----	----	----	7
A	.56 (14.2)	.96 (24)	.1 (2.54)	.07 (1.78)	.6 (15.2)	.2 (5.1)	.1 (2.5)	.250 (6.35)	4-40 UNC 5 Threads Deep	23
B	.635 (16.1)	1.215 (30.9)	.1 (1.78)	.07 (1.78)	.8 (20.3)	.25 (6.4)	.15 (3.8)	.250 (6.35)	4-40 UNC 5 Threads Deep	44
C	.72 (18.3)	1.33 (33.8)	.125 (3.2)	.094 (2.4)	.9 (22.9)	.25 (6.4)	.15 (3.8)	.312 (7.92)	6-32 UNC 6 Threads min.	60
D	.76 (19.3)	1.5 (38.1)	125 (3.2)	.094 (2.4)	1.1 (27.9)	.3 (7.6)	.2 (5.1)	.312 (7.92)	6-32 UNC 6 Threads min.	80
E	1.1 (27.9)	2.150 (54.6)	.15 (3.8)	.125 (3.2)	1.7 (43.2)	.4 (10.2	.3 (7.6)	.312 (7.92)	6-32 UNC 6 Threads min.	170



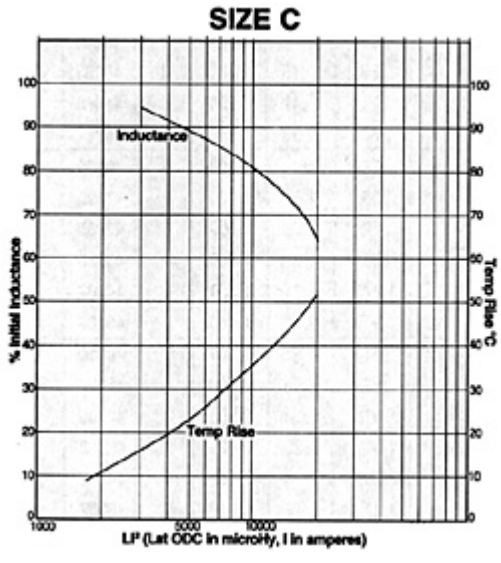
Larger Size Graph [3]



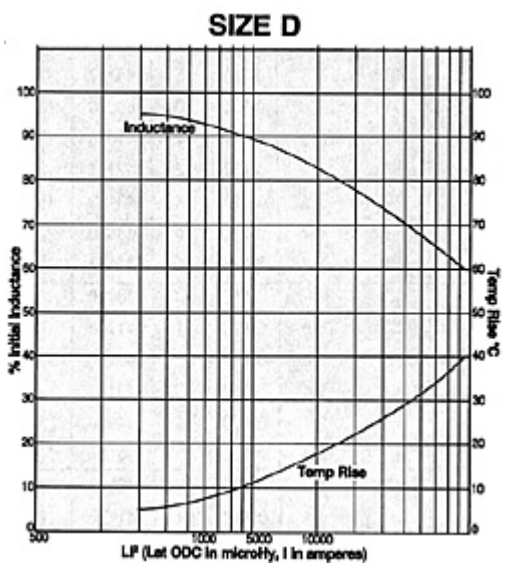
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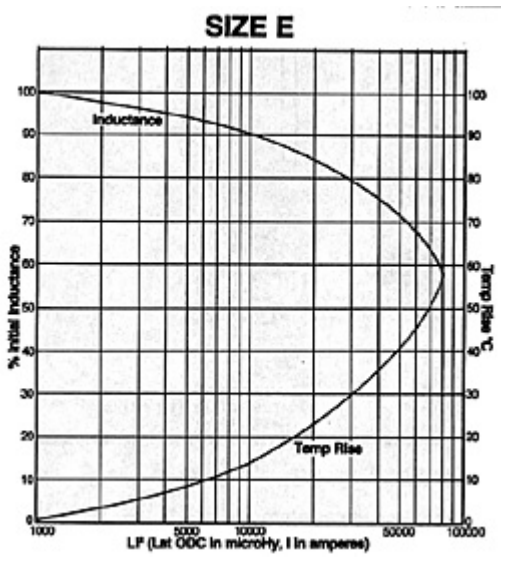
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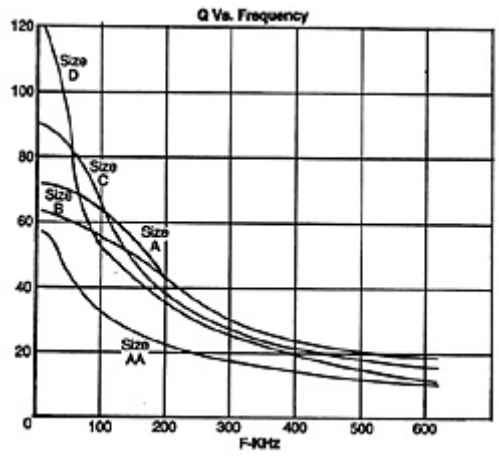
Larger Size Graph [6]



Larger Size Graph [7]



Larger Size Graph [8]



Larger Size Graph [9]

For immediate engineering assistance or to place an order: **Call Toll Free: 800-431-1064**

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