

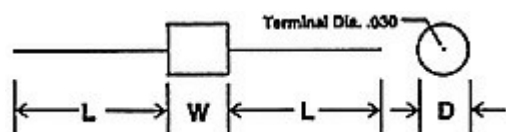


Miniaturized Power Inductors With Axial Leads, Shielded Construction

These inductors utilize special techniques to minimize cross coupling and give the utmost in shielding efficiency. They are ideal for Noise, Spike and Power Filtering Applications in Power Supplies, DC-DC Converters and Switching Regulators.

Specifications

- Inductance measured at 0.1V RMS -100 KHz
- Maximum ambient plus temp. rise limited to 130°C
(i.e. temp. rise for 72205 at .425 AMPS will be 12°C, ambient should be limited to 118°C - at .64AMPS temp. rise is 30°C, ambient should be limited to 100°C)
- Minimum possible size
- Shielded construction
- Mountable through PC board or to posts
- Manufactured to MIL-PRF-27, Grade 5 Class S
- Suitable for reel-mounted assembly
- Low losses



Size	L	W	D
A	1.25 (31.7)	.450 (11.4)	.350 (8.9)
B	1.25 (31.7)	.500 (12.7)	.420 (10.7)
C	1.25 (31.7)	.600 (15.2)	.500 (12.7)
D	1.25 (31.7)	.820 (19.1)	.560 (14.2)

All dimensions are in inches, () = mm

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	Q@ 100KHz	PICO PART NUMBER	PRICE (1-9) (US \$)
500	.425	.640	.848	.74	1.4	25	72205	34.55
375	.490	.740	.98	.55	1.6	25	72215	34.55
250	.600	.906	1.2	.36	2.0	25	72225	34.55

150	.775	1.17	1.55	.22	2.5	25	72235	34.55
100	.950	1.43	1.90	.15	3.0	25	72245	34.55
75	1.01	1.65	2.2	.11	3.6	25	72255	34.55
50	1.34	2.02	2.7	.075	4.4	25	72265	34.55

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	Q@ 100KHz	PICO PART NUMBER	PRICE (1-9) (US \$)
1000	0.45	0.600	0.750	0.85	.9	25	72310	34.55
750	0.52	0.693	0.866	0.64	1.04	25	72320	34.55
500	0.63	0.848	1.06	0.43	1.3	25	72330	34.55
375	0.73	0.980	1.22	0.32	1.5	25	72340	34.55
250	0.90	1.20	1.5	0.22	1.8	25	72350	34.55
150	1.16	1.550	1.93	0.13	2.3	25	72360	34.55
100	1.42	1.9	2.37	0.110	2.8	25	72370	34.55
75	1.64	2.2	2.73	0.064	3.3	25	72380	34.55
50	2.0	2.7	3.35	0.043	4.0	25	72390	34.55

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	Q@ 100KHz	PICO PART NUMBER	PRICE (1-9) (US \$)
1000	0.500	0.750	1.0	.700	.85	25	72405	34.55
750	0.580	0.866	1.15	.520	1.0	25	72415	34.55
500	0.707	1.06	1.41	.350	1.2	25	72425	34.55
375	0.816	1.22	1.63	.260	1.4	25	72435	34.55
250	1.0	1.50	2.0	.175	1.7	25	72445	34.55
150	1.29	1.93	2.58	.105	2.2	25	72455	34.55
100	1.58	2.37	3.16	.070	2.7	25	72465	34.55
75	1.82	2.73	3.65	.053	3.1	25	72475	34.55
50	2.25	3.35	4.5	.035	4.0	25	72485	34.55

SIZE D

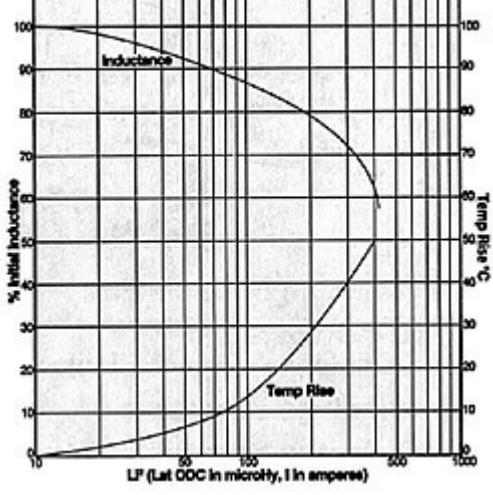
LODC MICROHY (μH)	IDC for 10% DROP in L AMPS	IDC for 20% DROP in L AMPS	IDC for 30% DROP in L AMPS	RDC OHMS	SRF MHz	Q@ 100KHz	PICO PART NUMBER	PRICE (1-9) (US \$)
200	1.4	2.14	2.76	.107	1.7	35	72500	34.55
175	1.5	2.29	2.95	.093	2.0	35	72510	34.55
150	1.6	2.47	3.18	.08	2.2	35	72520	34.55
125	1.78	2.7	3.49	.066	2.5	35	72530	34.55
100	1.99	3.03	3.9	.053	2.7	35	72540	34.55
75	2.3	3.5	4.5	.040	3.1	35	72550	34.55
50	2.8	4.3	5.5	.027	4.0	35	72560	34.55
25	3.98	6.06	7.79	.014	4.5	35	72570	34.55
15	5.14	7.82	10	.007	5.1	35	72580	34.55

***Discount Prices: 1-9 Net; 10-24 less 10%; 25-49 less 16%,
50-99 less 23%; 100-499 less 30%

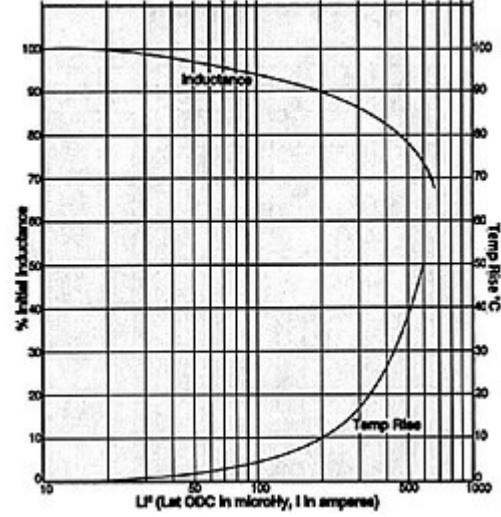
Ordering Instructions: No minimum. Net 30 days

F.O.B. Pelham, New York

SIZE B

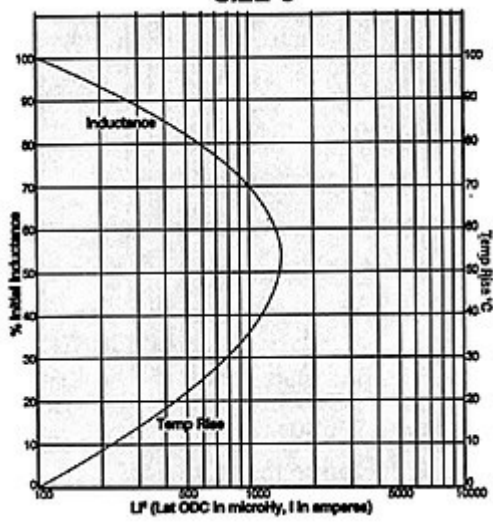


[Larger Size Graph](#)



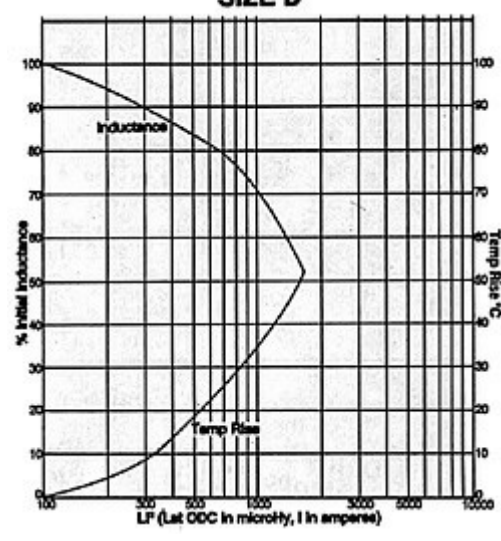
[Larger Size Graph](#)

SIZE C



[Larger Size Graph](#)

SIZE D



[Larger Size Graph](#)

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

[Go back to Plug In Transformers and Inductors menu](#)

