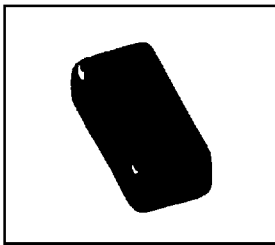


MODEL ILS-0805 Inductors Monolithic Chip



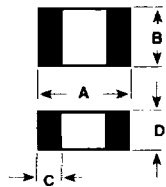
FEATURES

- High reliability
- Surface mountable
- Design of the part makes it inherently shielded

STANDARD ELECTRICAL SPECIFICATIONS [Numbers in brackets indicate millimeters]							
IND. (μ H) $\pm 15\%$	THICKNESS (Max.)	Q (Min.)	TEST FREQ. L & Q (MHz)	SELF- RESONANT FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (A)	
0.047	.033 \pm .008 [0.84 \pm 0.20]	15	30.0	320.0	0.20	300	
0.068	.033 \pm .008 [0.84 \pm 0.20]	15	30.0	280.0	0.20	300	
0.082	.033 \pm .008 [0.84 \pm 0.20]	15	30.0	255.0	0.20	300	
0.10	.033 \pm .008 [0.84 \pm 0.20]	20	25.0	235.0	0.30	250	
0.12	.033 \pm .008 [0.84 \pm 0.20]	20	25.0	220.0	0.30	250	
0.15	.033 \pm .008 [0.84 \pm 0.20]	20	25.0	200.0	0.40	250	
0.18	.033 \pm .008 [0.84 \pm 0.20]	20	25.0	185.0	0.40	250	
0.22	.033 \pm .008 [0.84 \pm 0.20]	20	25.0	170.0	0.50	250	
0.27	.033 \pm .008 [0.84 \pm 0.20]	20	25.0	150.0	0.50	250	
0.33	.033 \pm .008 [0.84 \pm 0.20]	20	25.0	145.0	0.55	250	
0.39	.033 \pm .008 [0.84 \pm 0.20]	25	25.0	135.0	0.65	200	
0.47	.049 \pm .008 [1.24 \pm 0.20]	25	25.0	125.0	0.65	200	
0.56	.049 \pm .008 [1.24 \pm 0.20]	25	25.0	115.0	0.75	150	
0.68	.049 \pm .008 [1.24 \pm 0.20]	25	25.0	105.0	0.80	150	
0.82	.049 \pm .008 [1.24 \pm 0.20]	25	25.0	100.0	1.00	150	
1.0	.033 \pm .008 [0.84 \pm 0.20]	30	10.0	75.0	0.40	50	
1.2	.033 \pm .008 [0.84 \pm 0.20]	30	10.0	65.0	0.50	50	
1.5	.033 \pm .008 [0.84 \pm 0.20]	30	10.0	60.0	0.50	50	
1.8	.033 \pm .008 [0.84 \pm 0.20]	30	10.0	55.0	0.60	50	
2.2	.033 \pm .008 [0.84 \pm 0.20]	30	10.0	50.0	0.65	30	
2.7	.049 \pm .008 [1.24 \pm 0.20]	30	10.0	45.0	0.75	30	
3.3	.049 \pm .008 [1.24 \pm 0.20]	30	10.0	41.0	0.80	30	
3.9	.049 \pm .008 [1.24 \pm 0.20]	30	10.0	38.0	0.90	30	
4.7	.049 \pm .008 [1.24 \pm 0.20]	30	10.0	35.0	1.00	30	
5.6	.049 \pm .008 [1.24 \pm 0.20]	30	4.0	32.0	0.90	15	
6.8	.049 \pm .008 [1.24 \pm 0.20]	30	4.0	29.0	1.00	15	
8.2	.049 \pm .008 [1.24 \pm 0.20]	30	4.0	26.0	1.10	15	
10.0	.049 \pm .008 [1.24 \pm 0.20]	30	2.0	24.0	1.15	15	
12.0	.049 \pm .008 [1.24 \pm 0.20]	30	2.0	22.0	1.25	15	
15.0	.049 \pm .008 [1.24 \pm 0.20]	30	1.0	19.0	0.85	5	
18.0	.049 \pm .008 [1.24 \pm 0.20]	30	1.0	18.0	1.05	5	
22.0	.049 \pm .008 [1.24 \pm 0.20]	30	1.0	16.0	1.15	5	
27.0	.049 \pm .008 [1.24 \pm 0.20]	30	1.0	14.0	1.25	5	
33.0	.049 \pm .008 [1.24 \pm 0.20]	30	1.0	13.0	1.65	5	

DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]



A	B	C	D
.079 + .012 - .004 [2.0 + 0.3 - 0.1]	.049 \pm .008 [1.24 \pm 0.2]	.020 \pm .012 [0.5 \pm 0.3]	See Standard Electrical Specifications Table

ELECTRICAL SPECIFICATIONS

Inductance Range: .047 μ H to 33 μ H.

Inductance Tolerance: $\pm 20\%$ for .047 μ H to .082 μ H.
 $\pm 10\%$ or $\pm 20\%$ for .10 μ H to 33 μ H.

Temperature Range: - 25°C to + 85°C.

HOW TO ORDER

ILS-0805
MODEL

10 μ H
INDUCTANCE
VALUE

$\pm 10\%$
INDUCTANCE
TOLERANCE