



SURFACE-MOUNT POWER INDUCTORS

ASPI -0402T, -0802T, -0804T, -0810T, - 1109T, -1306T SERIES

STANDARD SPECIFICATIONS

Part Number # -XXX	L ^{1,2} (mH)	DCR W (MAX)						I _{bc} ⁴ A (MAX)					
		ASPI 0402T	ASPI 0802T	ASPI 0804T	ASPI 0810T	ASPI 1109T	ASPI 1306T	ASPI 0402T	ASPI 0802T	ASPI 0804T	ASPI 0810T	ASPI 1109T	ASPI 1306T
1R0M	1.0	0.05	-	0.009	-	-	0.011	2.90	-	9.0	-	-	8.60
1R5M	1.5	0.05	-	0.010	-	-	-	2.60	-	8.0	-	-	-
2R2M	2.2	0.06	-	0.012	-	-	0.014	2.30	-	7.0	-	-	710
3R3M	3.3	0.07	-	0.015	-	-	0.016	2.00	-	6.4	-	-	6.20
4R7M	4.7	0.08	-	0.018	-	-	-	1.50	-	5.4	-	-	-
5R6M	5.6	-	-	-	-	-	0.022	-	-	-	-	-	5.30
6R8M	6.8	0.11	-	0.027	-	-	-	1.20	-	4.6	-	-	-
100M	10	0.14	0.09	0.038	0.033	0.06	0.032	1.10	2.00	3.8	3.50	3.50	4.30
120M	12	-	-	-	-	0.07	-	-	-	-	-	3.40	-
150M	15	0.20	0.12	0.046	0.042	0.08	0.036	0.90	1.50	3.0	3.00	3.10	4.00
180M	18	-	-	-	-	0.09	-	-	-	-	-	3.00	-
220M	22	0.32	0.19	0.085	0.054	0.10	0.047	0.70	1.30	2.6	2.50	2.60	3.50
270M	27	-	-	-	-	0.11	-	-	-	-	-	2.40	-
330M	33	0.44	0.25	0.1	0.08	0.12	0.066	0.58	1.10	2.0	2.00	2.30	3.00
390M	39	-	-	-	-	0.14	-	-	-	-	-	2.10	-
470M	47	0.56	0.32	0.14	0.10	0.17	0.087	0.50	0.80	1.6	1.60	1.95	2.60
560M	56	-	-	-	-	0.19	-	-	-	-	-	1.85	-
680M	68	0.75	0.55	0.20	0.17	0.22	0.13	0.40	0.70	1.4	1.20	1.65	2.30
820M	82	-	-	-	-	0.25	-	-	-	-	-	1.50	-
101M	100	1.10	0.70	0.28	0.22	0.35	0.19	0.31	0.60	1.2	1.20	1.40	1.80
121M	120	-	-	-	-	0.40	-	-	-	-	-	1.30	-
151M	150	1.70	1.00	0.40	0.34	0.47	0.25	0.27	0.50	1.0	0.90	1.20	1.50
181M	180	-	-	-	-	0.63	-	-	-	-	-	1.00	-
221M	220	2.30	1.60	0.61	0.44	0.73	0.38	0.22	0.40	0.8	0.70	0.95	1.20
271M	270	-	-	-	-	0.97	-	-	-	-	-	0.90	-
331M	330	3.30	2.20	1.02	0.70	1.15	0.56	0.18	0.30	0.6	0.60	0.80	1.00
391M	390	-	-	-	-	1.30	-	-	-	-	-	0.75	-
471M	470	4.40	3.30	1.27	0.95	1.48	0.85	0.16	0.20	0.5	0.30	0.65	0.82
561M	560	-	-	-	-	1.90	-	-	-	-	-	0.60	-
681M	680	6.80	4.40	2.02	1.20	2.45	1.2	0.14	0.10	0.4	0.20	0.50	0.72
821M	820	-	-	-	-	2.55	-	-	-	-	-	0.48	-
102M	1000	12.00	7.00	3.00	2.00	3.00	1.8	0.10	0.05	0.3	0.10	0.46	0.56
122M	1200	-	-	-	-	3.50	-	-	-	-	-	0.35	-

NOTES:

1. Inductance (L) measured @ 100KHz, 100mV with 0 DC bias
2. Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
3. Operating temperature: -55°C to 85°C
4. Inductance drops by 10% at max rated current
5. Marking per EIA standard color code in mH
6. Dimensions: inches / mm; see spec sheet for tolerance limits
7. Specifications subject to change without notice



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ASPI -0402T, -0802T, -0804T, -0810T, - 1109T, -1306T SERIES



Part Series	PHYSICAL CHARACTERISTICS ⁶
ASPI-0402T-XXX	
ASPI-0802T-XXX	
ASPI-0804T-XXX	
ASPI-0810T-XXX	
ASPI-1109T-XXX	
ASPI-1306T-XXX	

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