



SURFACE-MOUNT POWER INDUCTORS

ASPI -0403C, -0603, -0603C, -0703C SERIES

STANDARD SPECIFICATIONS

Part Number # -XXX	L ^{1,2} (mH)	DCR W (MAX)			Test Frequency KHz			I _{DC} ⁴ A (MAX)		
		ASPI 0403C	ASPI 0603	ASPI 0603C	ASPI 0403C	ASPI 0603	ASPI 0603C	ASPI 0403C	ASPI 0603	ASPI 0603C
1R0M	1.0	-	0.050	0.045	-	100	100	-	2.9	2.21
1R5M	1.5	-	0.065	0.050	-	100	100	-	2.5	1.80
2R2M	2.2	-	0.075	0.060	-	100	100	-	2.1	1.49
3R3M	3.3	-	0.085	0.070	-	100	100	-	1.7	1.21
4R7M	4.7	0.05	0.110	0.080	7960	100	100	1.20	1.4	1.02
6R8M	6.8	-	0.140	0.085	-	100	100	-	1.2	0.84
100M	10	0.09	0.160	0.095	2520	100	100	0.92	1.0	0.70
120M	12	0.12	-	-	-	-	-	0.82	-	-
150M	15	0.16	0.250	0.135	2520	100	100	0.75	0.80	0.57
180M	18	0.20	-	-	-	-	-	0.68	-	-
220M	22	0.25	0.370	0.160	2520	100	100	0.63	0.68	0.47
270M	27	0.32	-	-	-	-	-	0.58	-	-
330M	33	0.39	0.510	0.275	2520	100	100	0.52	0.54	0.38
390M	39	0.45	-	-	-	-	-	0.47	-	-
470M	47	0.51	0.650	0.340	2520	100	100	0.43	0.45	0.32
560M	56	0.60	-	-	-	-	-	0.40	-	-
680M	68	0.68	0.870	0.575	2520	100	100	0.37	0.38	0.26
101M	100	0.70	1.30	1.10	1	100	100	0.30	0.30	0.22
151M	150	-	1.95	1.40	-	100	100	-	0.25	0.18
221M	220	-	2.60	2.25	-	100	100	-	0.20	0.15
331M	330	-	3.80	2.90	-	100	100	-	0.17	0.12
471M	470	-	5.10	3.60	-	100	100	-	0.14	0.10
681M	680	-	8.00	4.55	-	100	100	-	0.12	0.08
102M	1000	10.0	14.0	8.10	1	100	100	0.12	0.09	0.07

NOTES:

1. Inductance (L) measured @ noted frequencies 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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 CERTIFIED

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Part Series	PHYSICAL CHARACTERISTICS ⁶
ASPI-0403C	
ASPI-0603	
ASPI-0603C	

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