

Iron Powder Core SMD Power Inductors

LMIP Series

Iron powder core inductors feature a homogeneous construction, exhibiting low loss and reduced inductance drop due to applied current, allowing for higher current ratings in low profile packages.

PRODUCT RANGE

SERIES	Inductance Range (μH)	I_{SAT} Range (A)
LMIP2016****AT1R	0.47 – 2.2	1.55 – 3.0
LMIP2520****ATAR	0.47 – 2.2	2.4 – 4.5
LMIP4040****ATAS	0.47 – 6.8	2.2 – 6.8
LMIP4040****AT2S	0.1 – 6.8	2.1 – 22
LMIP5050****ATAS	1.0 – 6.8	2.3 – 6.0
LMIP5050****ATBS	1.0 – 6.8	3.2 – 9.0
LMIP5050****AT2S	0.1 – 6.8	3.6 – 15.5
LMIP7070****ATAS	0.56 – 6.8	2.4 – 11
LMIP7070****ATBS	0.33 – 6.8	4.0 – 19.5
LMIP7070****ATCS	0.33 – 8.2	4.0 – 22
LMIP7070****AT3S	0.1 – 8.2	6.0 – 60
LMIP7070****AT5S	0.68 – 8.2	5.5 – 17
LMIP1010****AT4S	2.0 – 8.2	9.0 – 20
LMIP1313****AT6S	6.8 – 8.2	13.5 – 15

- All test data referenced to 25°C ambient.
- Operating temperature range: -40°C ~ +125°C
- Storage temperature: -40°C ~ +85°C



FEATURES

- Low Loss Iron Powder Core
- Magnetically Shielded
- Up to 3.0 MHz Frequency Range
- High Current Ratings
- Low Profile (down to 1.0mm)



APPLICATIONS

- DC/DC Converters
- DC/DC Converters for FPGA
- Inverters
- Power Supplies
- POL Converters



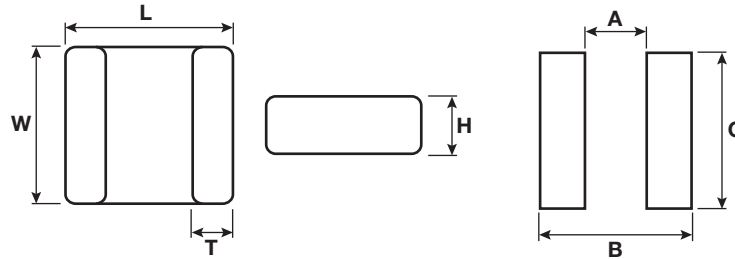
HOW TO ORDER

LMIP	2016	M	1R0	A	T	1	S
Power Inductor - Iron Powder Core	Size*	Tolerance	Inductance	Type	Termination	Thickness	Packaging
	2016	M = $\pm 20\%$	R10 = 0.1 μH	A = Standard	T = Sn Plated	1 = 1.0mm	S = 13" Reel
	2520	N = $\pm 30\%$	1R0 = 1 μH			A = 1.2mm	R = 7" Reel*
	4040		100 = 10 μH			B = 1.5mm	
	5050		101 = 100 μH			C = 1.8mm	*Sizes 2016 and 2520 only
	7070		102 = 1000 μH			2 = 2.0mm	
	1010					3 = 3.0mm	
	1313					J = 3.5mm	
						4 = 4.0mm	
						5 = 5.0mm	
						6 = 6.0mm	

Iron Powder Core SMD Power Inductors

LMIP Series

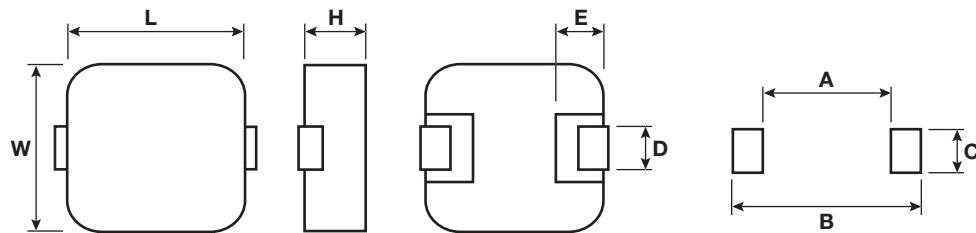
PHYSICAL SPECIFICATIONS



Recommended Land Pattern

mm (inches)

AVX PN	L	W	H Max	T	A	B	C
LMIP2016****AT1R	2.00±0.10 (0.079±0.004)	1.60±0.20 (0.063±0.004)	1.00 (0.039)	0.50±0.30 (0.020±0.012)	0.80 (0.031)	2.05 (0.081)	1.65 (0.065)
LMIP2520****ATAR	2.50±0.20 (0.098±0.008)	2.00±0.20 (0.079±0.008)	1.20 (0.047)	0.50±0.30 (0.020±0.012)	1.20 (0.047)	2.80 (0.110)	2.00 (0.079)



Recommended Land Pattern

mm (inches)

AVX PN	L	W	H Max	E	D	A	B	C
LMIP4040****ATAS	4.70±0.30 (0.185±0.012)	4.20±0.20 (0.165±0.008)	1.20 (0.047)	0.80±0.30 (0.031±0.012)	2.00±0.30 (0.079±0.012)	2.40 (0.094)	5.40 (0.213)	2.50 (0.098)
LMIP4040****AT2S	4.70±0.30 (0.185±0.012)	4.20±0.20 (0.165±0.008)	2.00 (0.079)	0.80±0.30 (0.031±0.012)	2.00±0.30 (0.079±0.012)	2.40 (0.094)	5.40 (0.213)	2.50 (0.098)
LMIP5050****ATAS	5.70±0.30 (0.224±0.012)	5.20±0.20 (0.205±0.008)	1.20 (0.047)	1.00±0.30 (0.039±0.012)	2.50±0.30 (0.098±0.012)	3.00 (0.118)	7.00 (0.276)	3.50 (0.138)
LMIP5050****ATBS	5.70±0.30 (0.224±0.012)	5.20±0.20 (0.205±0.008)	1.50 (0.059)	1.00±0.30 (0.039±0.012)	2.50±0.30 (0.098±0.012)	3.00 (0.118)	7.00 (0.276)	3.50 (0.138)
LMIP5050****AT2S	5.70±0.30 (0.224±0.012)	5.20±0.20 (0.205±0.008)	2.00 (0.079)	1.00±0.30 (0.039±0.012)	2.50±0.30 (0.098±0.012)	3.00 (0.118)	7.00 (0.276)	3.50 (0.138)
LMIP7070****ATAS	7.20±0.30 (0.283±0.012)	6.60±0.20 (0.260±0.008)	1.20 (0.047)	1.50±0.30 (0.059±0.012)	3.00±0.30 (0.118±0.012)	4.00 (0.157)	8.50 (0.335)	3.50 (0.138)
LMIP7070****ATBS	7.00±0.30 (0.276±0.012)	6.50±0.20 (0.260±0.008)	1.50 (0.059)	1.50±0.30 (0.059±0.012)	3.00±0.30 (0.118±0.012)	4.00 (0.157)	8.50 (0.335)	3.50 (0.138)
LMIP7070****ATCS	7.20±0.30 (0.283±0.012)	6.60±0.20 (0.260±0.008)	1.80 (0.071)	1.50±0.30 (0.059±0.012)	3.00±0.30 (0.118±0.012)	4.00 (0.157)	8.50 (0.335)	3.50 (0.138)
LMIP7070****AT3S	6.95±0.35 (0.433±0.014)	6.60±0.20 (0.260±0.008)	3.00 (0.118)	1.50±0.30 (0.059±0.012)	3.00±0.30 (0.118±0.012)	4.00 (0.157)	8.50 (0.335)	3.50 (0.138)
LMIP7070****AT5S	7.20±0.30 (0.283±0.012)	6.60±0.20 (0.260±0.008)	5.00 (0.197)	1.50±0.30 (0.059±0.012)	3.00±0.30 (0.118±0.012)	4.00 (0.157)	8.50 (0.335)	3.50 (0.138)
LMIP1010****AT4S	11.0±0.30 (0.433±0.012)	10.0±0.30 (0.394±0.012)	4.00 (0.157)	2.00±0.50 (0.079±0.020)	3.00±0.50 (0.118±0.020)	5.50 (0.217)	13.5 (0.531)	4.00 (0.157)
LMIP1313****AT6S	13.9±0.30 (0.547±0.012)	12.8±0.20 (0.504±0.008)	6.00 (0.236)	2.00±0.50 (0.079±0.020)	5.00±0.50 (0.197±0.020)	8.00 (0.315)	14.5 (0.571)	6.00 (0.236)

Iron Powder Core SMD Power Inductors

LMIP Series

ELECTRICAL CHARACTERISTICS

2016 - 1.0mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP2016MR47AT1R	±20%	0.47	38	46	2.9	3	100KHz/1.0V
LMIP2016M1R0AT1R	±20%	1	65	75	2.6	2.5	100KHz/1.0V
LMIP2016M2R2AT1R	±20%	2.2	131	160	1.6	1.55	100KHz/1.0V

2520 - 1.2mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP2520MR47ATAR	±20%	0.47	33	39	3.9	4.5	100KHz/1.0V
LMIP2520M1R0ATAR	±20%	1	45	59	3	3	100KHz/1.0V
LMIP2520M2R2ATAR	±20%	2.2	90	117	2.1	2.4	100KHz/1.0V

4040 - 1.2mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP4040MR47ATAS	±20%	0.47	19	21	6	6.8	100KHz/1.0V
LMIP4040MR68ATAS	±20%	0.68	32	36	4.5	6	100KHz/1.0V
LMIP4040M1R0ATAS	±20%	1	43	47	4.2	5.2	100KHz/1.0V
LMIP4040M1R5ATAS	±20%	1.5	68	75	3.25	4	100KHz/1.0V
LMIP4040M2R2ATAS	±20%	2.2	79.4	83.5	2.75	3.5	100KHz/1.0V
LMIP4040M3R3ATAS	±20%	3.3	120	138	2.3	3	100KHz/1.0V
LMIP4040M4R7ATAS	±20%	4.7	175	195	1.8	2.8	100KHz/1.0V
LMIP4040M6R8ATAS	±20%	6.8	292	358	1.5	2.2	100KHz/1.0V

4040 - 2.0mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP4040NR10AT2S	±30%	0.1	3.5	4	12	22	100KHz/1.0V
LMIP4040MR22AT2S	±20%	0.22	6	6.6	9	12.5	100KHz/1.0V
LMIP4040MR47AT2S	±20%	0.47	12.5	14	7	9.5	100KHz/1.0V
LMIP4040MR56AT2S	±20%	0.56	14	16	6.5	9	100KHz/1.0V
LMIP4040MR68AT2S	±20%	0.68	19.4	21	5.2	8	100KHz/1.0V
LMIP4040M1R0AT2S	±20%	1	24	27	4.5	7	100KHz/1.0V
LMIP4040M1R5AT2S	±20%	1.5	38	46	4	6	100KHz/1.0V
LMIP4040M2R2AT2S	±20%	2.2	52	58	3	5	100KHz/1.0V
LMIP4040M3R3AT2S	±20%	3.3	74	87	2.5	4	100KHz/1.0V
LMIP4040M4R7AT2S	±20%	4.7	92	105	2.2	3	100KHz/1.0V
LMIP4040M6R8AT2S	±20%	6.8	162	178	2	2.1	100KHz/1.0V

5050 - 1.2mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP5050M1R0ATAS	±20%	1	31.3	32.9	5	6	100KHz/1.0V
LMIP5050M2R2ATAS	±20%	2.2	67	76	3.5	4	100KHz/1.0V
LMIP5050M3R3ATAS	±20%	3.3	85	98	3	3.7	100KHz/1.0V
LMIP5050M4R7ATAS	±20%	4.7	145	163	2.3	2.7	100KHz/1.0V
LMIP5050M6R8ATAS	±20%	6.8	225	250	2	2.3	100KHz/1.0V

5050 - 1.5mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP5050M1R0ATBS	±20%	1	20	23	6.5	9	100KHz/1.0V
LMIP5050M1R2ATBS	±20%	1.2	22.5	26	6	8	100KHz/1.0V
LMIP5050M2R2ATBS	±20%	2.2	58	64	3.3	6	100KHz/1.0V
LMIP5050M3R3ATBS	±20%	3.3	65	72	3.2	5	100KHz/1.0V
LMIP5050M4R7ATBS	±20%	4.7	103	115	3	4	100KHz/1.0V
LMIP5050M6R8ATBS	±20%	6.8	167	180	2.5	3.2	100KHz/1.0V

I_{sat}: DC Current that will cause inductance to drop approximately 30%.

I_{DC}: DC current(A) that will cause an approximate ΔT of 40°C.

Iron Powder Core SMD Power Inductors

LMIP Series

5050 - 2.0mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP5050NR10AT2S	±30%	0.1	7.7	9	10.5	15.5	100KHz/1.0V
LMIP5050MR22AT2S	±20%	0.22	4.1	4.5	12	20	100KHz/1.0V
LMIP5050MR33AT2S	±20%	0.33	5.5	5.9	11.5	16	100KHz/1.0V
LMIP5050MR47AT2S	±20%	0.47	8	10	10.5	15.5	100KHz/1.0V
LMIP5050MR56AT2S	±20%	0.56	8.2	10	9.5	13	100KHz/1.0V
LMIP5050MR68AT2S	±20%	0.68	10.5	13	9	12	100KHz/1.0V
LMIP5050M1R0AT2S	±20%	1	15	17	8	9.5	100KHz/1.0V
LMIP5050M1R5AT2S	±20%	1.5	21	24.2	6	9	100KHz/1.0V
LMIP5050M2R2AT2S	±20%	2.2	30	35	5	6.5	100KHz/1.0V
LMIP5050M3R3AT2S	±20%	3.3	52	58	4.5	5.5	100KHz/1.0V
LMIP5050M4R7AT2S	±20%	4.7	78	85	3.5	4	100KHz/1.0V
LMIP5050M5R6AT2S	±20%	5.6	85.2	92	3	2.2	100KHz/1.0V
LMIP5050M6R8AT2S	±20%	6.8	107	120	2.8	3.6	100KHz/1.0V

7070 - 1.2mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP7070MR56ATAS	±20%	0.56	13.5	15.5	7	11	100KHz/1.0V
LMIP7070MR68ATAS	±20%	0.68	15	17.5	6.7	9	100KHz/1.0V
LMIP7070MR82ATAS	±20%	0.82	21.5	24.5	6.3	8	100KHz/1.0V
LMIP7070M1R0ATAS	±20%	1	25	29	6	7	100KHz/1.0V
LMIP7070M2R2ATAS	±20%	2.2	51.5	59	4	5	100KHz/1.0V
LMIP7070M3R3ATAS	±20%	3.3	80	92	3	4	100KHz/1.0V
LMIP7070M4R7ATAS	±20%	4.7	106	122	2.7	3.5	100KHz/1.0V
LMIP7070M6R8ATAS	±20%	6.8	185	217	2.2	2.4	100KHz/1.0V

7070 - 1.5mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP7070MR33ATBS	±20%	0.33	6.8	7.8	10	19.5	100KHz/1.0V
LMIP7070MR56ATBS	±20%	0.56	9.5	11	9	14	100KHz/1.0V
LMIP7070MR68ATBS	±20%	0.68	10.5	12	8.5	12	100KHz/1.0V
LMIP7070MR82ATBS	±20%	0.82	15	17	7	10	100KHz/1.0V
LMIP7070M1R0ATBS	±20%	1	18.5	21	5.5	9	100KHz/1.0V
LMIP7070M1R5ATBS	±20%	1.5	37	42.5	5	7	100KHz/1.0V
LMIP7070M2R2ATBS	±20%	2.2	46	54	3.5	6	100KHz/1.0V
LMIP7070M3R3ATBS	±20%	3.3	54	63	3.3	5.5	100KHz/1.0V
LMIP7070M4R7ATBS	±20%	4.7	76	85	3	5	100KHz/1.0V
LMIP7070M5R6ATBS	±20%	5.6	96	118	2.8	4.5	100KHz/1.0V
LMIP7070M6R8ATBS	±20%	6.8	125	135	2.5	4	100KHz/1.0V

7070 - 1.8mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP7070MR33ATCS	20%	0.33	5.2	6.8	12	22	100KHz/1.0V
LMIP7070MR47ATCS	20%	0.47	7.3	8.4	11	17	100KHz/1.0V
LMIP7070MR68ATCS	20%	0.68	10.8	12.7	9	16	100KHz/1.0V
LMIP7070MR82ATCS	20%	0.082	13.4	15.9	8	14	100KHz/1.0V
LMIP7070M1R0ATCS	20%	1	14.5	17	7	12	100KHz/1.0V
LMIP7070M2R2ATCS	20%	2.2	31	35	5	8	100KHz/1.0V
LMIP7070M3R3ATCS	20%	3.3	56	60	3.5	7	100KHz/1.0V
LMIP7070M4R7ATCS	20%	4.7	68	70	3.2	5.5	100KHz/1.0V
LMIP7070M6R8ATCS	20%	6.8	101	110	2.8	4.5	100KHz/1.0V
LMIP7070M8R2ATCS	20%	8.2	124	142	2.5	4	100KHz/1.0V

I_{sat}: DC Current that will cause inductance to drop approximately 30%.

I_{DC}: DC current(A) that will cause an approximate ΔT of 40°C.

Iron Powder Core SMD Power Inductors

LMIP Series

7070 - 3.0mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP7070NR10AT3S	±30%	0.1	1.5	1.7	32.5	60	100KHz/1.0V
LMIP7070MR22AT3S	±20%	0.22	2.5	2.8	23	34	100KHz/1.0V
LMIP7070MR33AT3S	±20%	0.33	3	3.5	21	25	100KHz/1.0V
LMIP7070MR47AT3S	±20%	0.47	3.5	4.1	18	20	100KHz/1.0V
LMIP7070MR56AT3S	±20%	0.56	3.9	4.5	16.5	18	100KHz/1.0V
LMIP7070MR68AT3S	±20%	0.68	4.5	5	16	17	100KHz/1.0V
LMIP7070MR82AT3S	±20%	0.82	7	7.5	14	16	100KHz/1.0V
LMIP7070M1R0AT3S	±20%	1	8.5	9	12	15	100KHz/1.0V
LMIP7070M1R5AT3S	±20%	1.5	10.6	12.1	10	13	100KHz/1.0V
LMIP7070M2R2AT3S	±20%	2.2	15.5	18	8	10	100KHz/1.0V
LMIP7070M2R5AT3S	±20%	2.5	18	20	7	10	100KHz/1.0V
LMIP7070M3R3AT3S	±20%	3.3	25	28	6.5	9	100KHz/1.0V
LMIP7070M4R7AT3S	±20%	4.7	32.5	35	5.5	6.5	100KHz/1.0V
LMIP7070M5R6AT3S	±20%	5.6	36	42	5	6.3	100KHz/1.0V
LMIP7070M6R8AT3S	±20%	6.8	43.9	50	4.5	6	100KHz/1.0V
LMIP7070M8R2AT3S	±20%	8.2	54	60	4.5	6	100KHz/1.0V

7070 - 5.0mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP7070MR68AT5S	±20%	0.68	3.3	3.6	18	17	100KHz/1.0V
LMIP7070MR82AT5S	±20%	0.82	4.6	4.9	16.5	17	100KHz/1.0V
LMIP7070M1R0AT5S	±20%	1	4.5	5.3	14.5	16	100KHz/1.0V
LMIP7070M1R5AT5S	±20%	1.5	6	7.5	11.5	15	100KHz/1.0V
LMIP7070M2R2AT5S	±20%	2.2	9	10.2	10.5	13.5	100KHz/1.0V
LMIP7070M3R3AT5S	±20%	3.3	14	15	9	12	100KHz/1.0V
LMIP7070M4R7AT5S	±20%	4.7	23	25	6.5	8	100KHz/1.0V
LMIP7070M5R6AT5S	±20%	5.6	31.5	34.4	6	7	100KHz/1.0V
LMIP7070M6R8AT5S	±20%	6.8	31	35.5	5.5	6.5	100KHz/1.0V
LMIP7070M8R2AT5S	±20%	8.2	40	43	5	5.5	100KHz/1.0V

1010 - 4.0mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP1010M2R0AT4S	±20%	2	5.2	5.8	14	20	100KHz/1.0V
LMIP1010M2R2AT4S	±20%	2.2	6	7	12	18	100KHz/1.0V
LMIP1010M3R3AT4S	±20%	3.3	10.8	11.8	10	16	100KHz/1.0V
LMIP1010M4R7AT4S	±20%	4.7	17	20	8.5	15	100KHz/1.0V
LMIP1010M5R6AT4S	±20%	5.6	20	23	8	14	100KHz/1.0V
LMIP1010M6R8AT4S	±20%	6.8	22.5	25	7	12	100KHz/1.0V
LMIP1010M8R2AT4S	±20%	8.2	25	27	6.5	9	100KHz/1.0V

1313 - 6.0mm HEIGHT

AVX PN	TOLERANCE	L (μH)	DCR TYP (mΩ)	DCR MAX (mΩ)	I _{DC} (A)	I _{SAT} (A)	MEASURING CONDITION
LMIP1313M6R8AT6S	±20%	6.8	9.5	12	12	15	100KHz/1.0V
LMIP1313M8R2AT6S	±20%	8.2	13.6	16	11	13.5	100KHz/1.0V

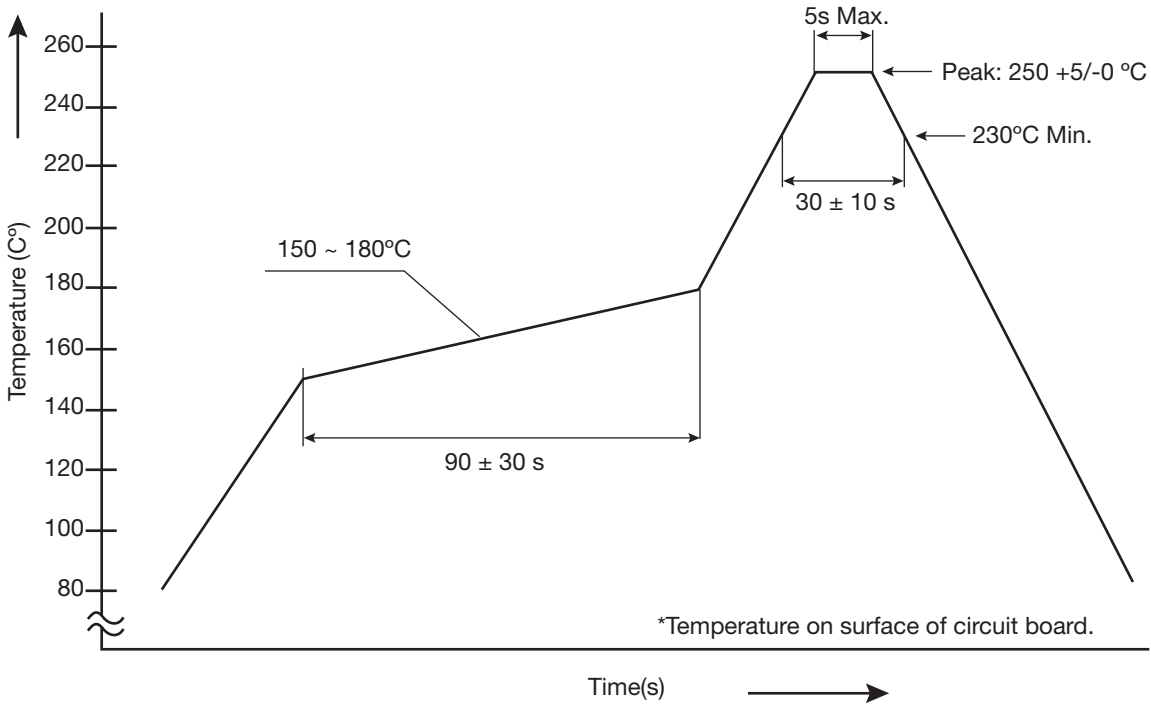
I_{SAT}: DC Current that will cause inductance to drop approximately 30%.

I_{DC}: DC current(A) that will cause an approximate ΔT of 40°C.

Iron Powder Core SMD Power Inductors **AVX**

LMIP Series

RECOMMENDED REFLOW PROFILE

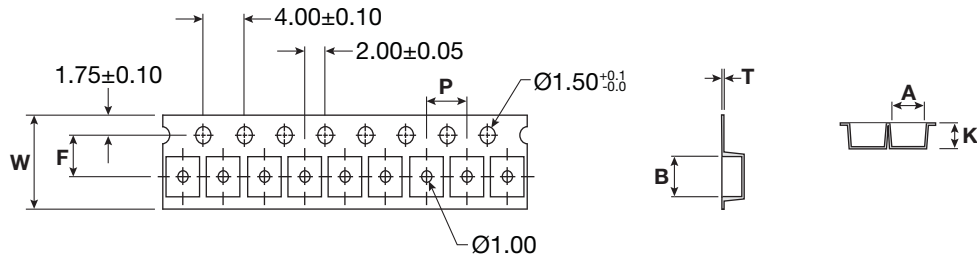


The products may be exposed to reflow soldering process of above profile up to two times.

Iron Powder Core SMD Power Inductors **AVX**

LMIP Series

PACKAGING SPECIFICATIONS – CARRIER TAPE DIMENSIONS



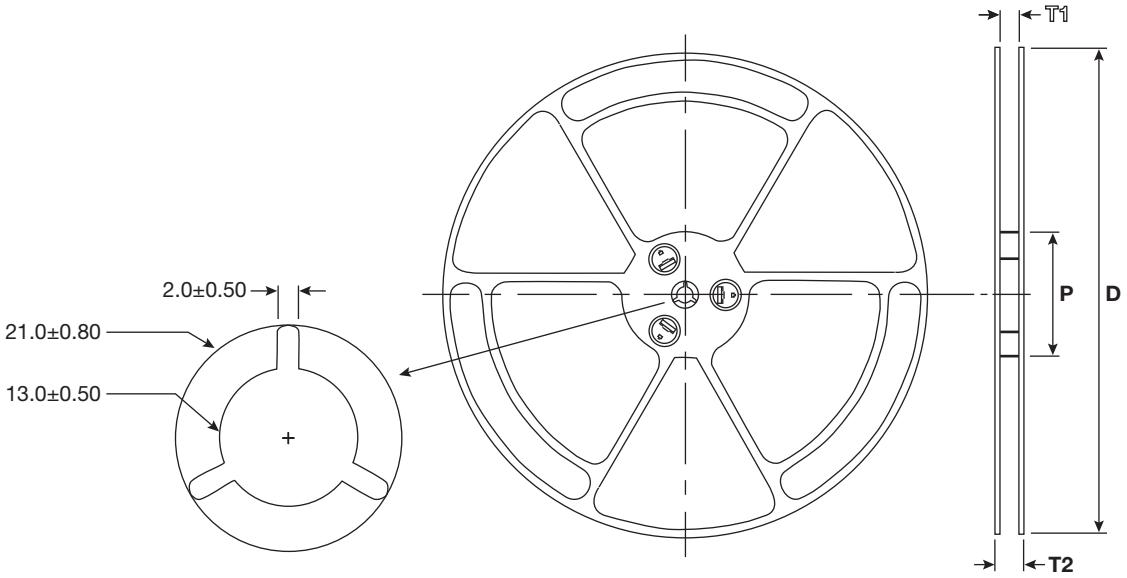
mm (inches)

AVX SERIES	A		B		P		F		W		T		K		Reel Size	SPQ
	SIZE	TOL	SIZE	TOL	SIZE	TOL	SIZE	TOL	SIZE	TOL	SIZE	TOL	SIZE	TOL		
LMIP2016****AT1R	1.84 (0.072)	±0.10 (±0.004)	2.25 (0.089)	±0.10 (±0.004)	4.00 (0.157)	±0.10 (±0.004)	3.50 (0.138)	±0.10 (±0.004)	8.00 (0.315)	±0.10 (±0.004)	0.22 (0.009)	±0.05 (±0.002)	1.15 (0.045)	±0.10 (±0.004)	7"	2000
LMIP2520****ATAR	2.60 (0.102)	±0.10 (±0.004)	3.00 (0.118)	±0.10 (±0.004)	4.00 (0.157)	±0.10 (±0.004)	3.50 (0.138)	±0.10 (±0.004)	8.00 (0.315)	±0.10 (±0.004)	0.30 (0.012)	±0.05 (±0.002)	1.35 (0.053)	±0.10 (±0.004)	7"	2000
LMIP4040****ATAS	4.40 (0.173)	±0.10 (±0.004)	5.10 (0.201)	±0.10 (±0.004)	8.00 (0.315)	±0.10 (±0.004)	5.50 (0.217)	±0.10 (±0.004)	12.0 (0.473)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	1.40 (0.053)	±0.10 (±0.004)	13"	3500
LMIP4040****AT2S	4.40 (0.173)	±0.10 (±0.004)	5.10 (0.201)	±0.10 (±0.004)	8.00 (0.315)	±0.10 (±0.004)	5.50 (0.217)	±0.10 (±0.004)	12.0 (0.473)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	2.20 (0.087)	±0.10 (±0.004)	13"	2000
LMIP5050****ATAS	5.40 (0.213)	±0.10 (±0.004)	6.10 (0.240)	±0.10 (±0.004)	8.00 (0.315)	±0.10 (±0.004)	5.50 (0.217)	±0.10 (±0.004)	12.0 (0.473)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	1.60 (0.063)	±0.10 (±0.004)	13"	3000
LMIP5050****ATBS	5.40 (0.213)	±0.10 (±0.004)	6.10 (0.240)	±0.10 (±0.004)	8.00 (0.315)	±0.10 (±0.004)	5.50 (0.217)	±0.10 (±0.004)	12.0 (0.473)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	1.60 (0.063)	±0.10 (±0.004)	13"	3000
LMIP5050****AT2S	5.60 (0.213)	±0.10 (±0.004)	6.00 (0.236)	±0.10 (±0.004)	8.00 (0.315)	±0.10 (±0.004)	5.50 (0.217)	±0.10 (±0.004)	12.0 (0.473)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	2.10 (0.083)	±0.10 (±0.004)	13"	3000
LMIP7070****ATAS	6.95 (0.274)	±0.10 (±0.004)	7.40 (0.291)	±0.10 (±0.004)	12.0 (0.472)	±0.10 (±0.004)	7.50 (0.295)	±0.10 (±0.004)	16.0 (0.630)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	1.50 (0.059)	±0.10 (±0.004)	13"	2500
LMIP7070****ATBS	7.00 (0.276)	±0.10 (±0.004)	7.50 (0.295)	±0.10 (±0.004)	12.0 (0.472)	±0.10 (±0.004)	7.50 (0.295)	±0.10 (±0.004)	16.0 (0.630)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	1.70 (0.067)	±0.10 (±0.004)	13"	2000
LMIP7070****ATCS	6.95 (0.274)	±0.10 (±0.004)	7.45 (0.293)	±0.10 (±0.004)	12.0 (0.472)	±0.10 (±0.004)	7.50 (0.295)	±0.10 (±0.004)	16.0 (0.630)	±0.30 (±0.012)	0.35 (0.014)	±0.05 (±0.002)	2.10 (0.827)	±0.10 (±0.004)	13"	2000
LMIP7070****AT3S	7.60 (0.299)	±0.10 (±0.004)	7.60 (0.299)	±0.10 (±0.004)	12.0 (0.472)	±0.10 (±0.004)	7.50 (0.295)	±0.10 (±0.004)	16.0 (0.630)	±0.30 (±0.012)	0.40 (0.016)	±0.05 (±0.002)	3.60 (0.142)	±0.10 (±0.004)	13"	1500
LMIP7070****AT5S	6.90 (0.272)	±0.10 (±0.004)	7.50 (0.295)	±0.10 (±0.004)	12.0 (0.472)	±0.10 (±0.004)	7.50 (0.295)	±0.10 (±0.004)	16.0 (0.630)	±0.30 (±0.012)	0.40 (0.016)	±0.05 (±0.002)	5.30 (0.209)	±0.10 (±0.004)	13"	1000
LMIP1010****AT4S	10.9 (0.429)	±0.10 (±0.004)	12.2 (0.480)	±0.10 (±0.004)	16.0 (0.630)	±0.10 (±0.004)	11.5 (0.453)	±0.10 (±0.004)	24.0 (0.984)	±0.30 (±0.012)	0.40 (0.016)	±0.05 (±0.002)	4.50 (0.177)	±0.10 (±0.004)	13"	800
LMIP1313****AT6S	13.3 (0.524)	±0.10 (±0.004)	14.5 (0.571)	±0.10 (±0.004)	20.0 (0.787)	±0.10 (±0.004)	11.5 (0.453)	±0.10 (±0.004)	24.0 (0.984)	±0.30 (±0.012)	0.40 (0.016)	±0.05 (±0.002)	6.45 (0.254)	±0.25 (±0.010)	13"	500

Iron Powder Core SMD Power Inductors **AVX**

LMIP Series

PACKAGING SPECIFICATIONS – REEL DIMENSIONS



Code	7" Reel	13" Reel
D	180 ± 1.50	330 ± 1.50
P	62.0 ± 1.50	100 ± 1.50