

## Features

- Low cost axial leaded inductors
- Wide inductance range
- Covered with UL heat shrink tubing

## General Specifications

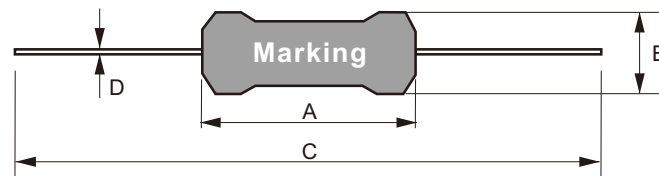
- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

## Applications

- Power Supplies
- Switching circuits
- TV and audio equipment
- Telecommunication devices
- RF and other filters



## ► Dimensions & Configurations (Unit:mm)



Type	A (max.)	B (±0.5)	C (±1.0)	D (±0.1)
MCHA0415	17.5	6.0	18	0.6
MCHA0610	12.0	6.5	60	0.6
MCHA0812	14.0	8.5	60	0.6
MCHA0914	16.0	9.5	70	0.8
MCHA1124	24.0	11.5	64	0.8

## ► Electrical Characteristics For MCHA0415 Series

Part Number	Inductance [μH]	DCR(max) [Ω]	Rated Current [A]	Test Freq
MCHA0415-1R0M	1.0±20%	0.013	5.0	1KHz/0.25V
MCHA0415-2R2M	2.2±20%	0.021	5.0	1KHz/0.25V
MCHA0415-3R3M	3.3±20%	0.026	4.0	1KHz/0.25V
MCHA0415-3R9M	3.9±20%	0.029	4.0	1KHz/0.25V
MCHA0415-4R7M	4.7±20%	0.032	4.0	1KHz/0.25V
MCHA0415-5R6M	5.6±20%	0.036	3.0	1KHz/0.25V
MCHA0415-6R8M	6.8±20%	0.038	3.0	1KHz/0.25V
MCHA0415-7R5M	7.5±20%	0.042	3.0	1KHz/0.25V
MCHA0415-8R2M	8.2±20%	0.046	3.0	1KHz/0.25V
MCHA0415-100M	10±20%	0.054	3.0	1KHz/0.25V
MCHA0415-120M	12±20%	0.080	2.0	1KHz/0.25V
MCHA0415-150M	15±20%	0.092	2.0	1KHz/0.25V
MCHA0415-180M	18±20%	0.110	1.6	1KHz/0.25V
MCHA0415-220M	22±20%	0.135	1.6	1KHz/0.25V
MCHA0415-270M	27±20%	0.292	0.8	1KHz/0.25V
MCHA0415-330M	33±20%	0.335	0.8	1KHz/0.25V
MCHA0415-470M	39±20%	0.373	0.8	1KHz/0.25V
MCHA0415-680M	47±20%	0.488	0.7	1KHz/0.25V
MCHA0415-680M	68±20%	0.600	0.5	1KHz/0.25V
MCHA0415-101M	100±20%	0.830	0.4	1KHz/0.25V

## ► Electrical Characteristics For MCHA0610 Series

Part Number	Inductance [μH]	DCR(max) [Ω]	Rated Current [mA]	Test Freq
MCHA0610-1R0M	1	0.02	2500	7.96MHz
MCHA0610-1R2M	1.2	0.02	2500	7.96MHz
MCHA0610-1R5M	1.5	0.02	2500	7.96MHz
MCHA0610-1R8M	1.8	0.02	2500	7.96MHz
MCHA0610-2R2M	2.2	0.02	2500	7.96MHz
MCHA0610-2R7M	2.7	0.02	2500	7.96MHz
MCHA0610-3R3M	3.3	0.02	2500	7.96MHz
MCHA0610-3R9M	3.9	0.03	2400	7.96MHz
MCHA0610-4R7M	4.7	0.04	2100	7.96MHz
MCHA0610-5R6M	5.6	0.04	1800	7.96MHz
MCHA0610-6R8M	6.8	0.05	1700	7.96MHz
MCHA0610-8R2M	8.2	0.05	1500	7.96MHz
MCHA0610-100K	10	0.07	1400	2.52MHz
MCHA0610-120K	12	0.08	1200	2.52MHz
MCHA0610-150K	15	0.09	1100	2.52MHz
MCHA0610-180K	18	0.11	1000	2.52MHz
MCHA0610-220K	22	0.13	900	2.52MHz
MCHA0610-270K	27	0.14	800	2.52MHz
MCHA0610-330K	33	0.16	700	2.52MHz
MCHA0610-390K	39	0.18	700	2.52MHz
MCHA0610-470K	47	0.22	600	2.52MHz
MCHA0610-560K	56	0.25	600	2.52MHz
MCHA0610-680K	68	0.28	500	2.52MHz
MCHA0610-820K	82	0.32	500	2.52MHz
MCHA0610-101K	100	0.42	400	796KHz
MCHA0610-121K	120	0.47	300	796KHz
MCHA0610-151K	150	0.58	300	796KHz
MCHA0610-181K	180	0.62	300	796KHz
MCHA0610-221K	220	0.89	260	796KHz
MCHA0610-271K	270	1.1	230	796KHz
MCHA0610-331K	330	1.2	210	796KHz
MCHA0610-391K	390	1.4	180	796KHz
MCHA0610-471K	470	1.5	170	796KHz
MCHA0610-561K	560	1.8	150	796KHz
MCHA0610-681K	680	1.9	140	796KHz
MCHA0610-821K	820	2.3	120	796KHz
MCHA0610-102K	1000	2.8	100	252KHz
MCHA0610-122K	1200	3.1	90	252KHz
MCHA0610-152K	1500	3.6	80	252KHz
MCHA0610-182K	1800	5.6	70	252KHz
MCHA0610-222K	2200	6.3	70	252KHz
MCHA0610-272K	2700	7.3	60	252KHz
MCHA0610-332K	3300	10	50	252KHz
MCHA0610-392K	3900	12	50	252KHz
MCHA0610-472K	4700	13	40	252KHz
MCHA0610-562K	5600	15	40	252KHz
MCHA0610-682K	6800	17	40	252KHz
MCHA0610-822K	8200	19	35	252KHz
MCHA0610-103K	10000	27	35	79.6KHz
MCHA0610-123K	12000	35	35	79.6KHz
MCHA0610-153K	15000	48	30	79.6KHz
MCHA0610-183K	18000	65	30	79.6KHz
MCHA0610-223K	22000	69	25	79.6KHz
MCHA0610-273K	27000	84	25	79.6KHz
MCHA0610-333K	33000	99	25	79.6KHz
MCHA0610-393K	39000	108	25	79.6KHz
MCHA0610-473K	47000	120	20	79.6KHz

## ► Electrical Characteristics For MCHA0812 Series

Part Number	Inductance [μH]	DCR(max) [Ω]	Rated Current [mA]	Test Freq
MCHA0812-1R0M	1	0.02	3400	7.96MHz
MCHA0812-1R2M	1.2	0.02	3400	7.96MHz
MCHA0812-1R5M	1.5	0.02	3400	7.96MHz
MCHA0812-1R8M	1.8	0.02	3400	7.96MHz
MCHA0812-2R2M	2.2	0.02	3300	7.96MHz
MCHA0812-2R7M	2.7	0.03	3000	7.96MHz
MCHA0812-3R3M	3.3	0.03	2800	7.96MHz
MCHA0812-3R9M	3.9	0.03	2800	7.96MHz
MCHA0812-4R7M	4.7	0.03	2400	7.96MHz
MCHA0812-5R6M	5.6	0.03	2400	7.96MHz
MCHA0812-6R8M	6.8	0.04	2300	7.96MHz
MCHA0812-8R2M	8.2	0.04	2100	7.96MHz
MCHA0812-100K	10	0.05	2000	2.52MHz
MCHA0812-120K	12	0.05	1800	2.52MHz
MCHA0812-150K	15	0.06	1500	2.52MHz
MCHA0812-180K	18	0.07	1400	2.52MHz
MCHA0812-220K	22	0.08	1300	2.52MHz
MCHA0812-270K	27	0.11	1200	2.52MHz
MCHA0812-330K	33	0.12	1100	2.52MHz
MCHA0812-390K	39	0.13	1000	2.52MHz
MCHA0812-470K	47	0.14	900	2.52MHz
MCHA0812-560K	56	0.16	800	2.52MHz
MCHA0812-680K	68	0.21	700	2.52MHz
MCHA0812-820K	82	0.24	600	2.52MHz
MCHA0812-101K	100	0.30	400	796KHz
MCHA0812-121K	120	0.34	400	796KHz
MCHA0812-151K	150	0.48	350	796KHz
MCHA0812-181K	180	0.55	350	796KHz
MCHA0812-221K	220	0.62	350	796KHz
MCHA0812-271K	270	0.69	300	796KHz
MCHA0812-331K	330	0.78	300	796KHz
MCHA0812-391K	390	1.4	250	796KHz
MCHA0812-471K	470	1.6	250	796KHz
MCHA0812-561K	560	1.7	200	796KHz
MCHA0812-681K	680	2.0	180	796KHz
MCHA0812-821K	820	2.4	150	796KHz
MCHA0812-102K	1000	2.4	100	252KHz
MCHA0812-122K	1200	2.4	100	252KHz
MCHA0812-152K	1500	2.5	80	252KHz
MCHA0812-182K	1800	3.4	70	252KHz
MCHA0812-222K	2200	3.8	60	252KHz
MCHA0812-272K	2700	4.9	60	252KHz
MCHA0812-332K	3300	5.7	50	252KHz
MCHA0812-392K	3900	6.3	50	252KHz
MCHA0812-472K	4700	7.3	50	252KHz
MCHA0812-562K	5600	11	40	252KHz
MCHA0812-682K	6800	12	40	252KHz
MCHA0812-822K	8200	14	40	252KHz
MCHA0812-103K	10000	22	35	79.6KHz
MCHA0812-123K	12000	24	35	79.6KHz
MCHA0812-153K	15000	29	35	79.6KHz
MCHA0812-183K	18000	32	35	79.6KHz
MCHA0812-223K	22000	47	30	79.6KHz
MCHA0812-273K	27000	54	30	79.6KHz
MCHA0812-333K	33000	62	25	79.6KHz
MCHA0812-393K	39000	69	25	79.6KHz

## ► Electrical Characteristics For MCHA0914 Series

Part Number	Inductance [μH]	DCR(max) [Ω]	Rated Current [mA]	Test Freq
MCHA0914-1R0M	1	0.023	3500	7.96MHz
MCHA0914-1R2M	1.2	0.023	3500	7.96MHz
MCHA0914-1R5M	1.5	0.023	3500	7.96MHz
MCHA0914-1R8M	1.8	0.023	3500	7.96MHz
MCHA0914-2R2M	2.2	0.023	3500	7.96MHz
MCHA0914-2R7M	2.7	0.026	3500	7.96MHz
MCHA0914-3R3M	3.3	0.029	3500	7.96MHz
MCHA0914-3R9M	3.9	0.029	3500	7.96MHz
MCHA0914-4R7M	4.7	0.033	3500	7.96MHz
MCHA0914-5R6M	5.6	0.035	3500	7.96MHz
MCHA0914-6R8M	6.8	0.040	3500	7.96MHz
MCHA0914-8R2M	8.2	0.040	3500	7.96MHz
MCHA0914-100K	10	0.050	2500	2.52MHz
MCHA0914-120K	12	0.050	2400	2.52MHz
MCHA0914-150K	15	0.054	2000	2.52MHz
MCHA0914-180K	18	0.068	1930	2.52MHz
MCHA0914-220K	22	0.071	1760	2.52MHz
MCHA0914-270K	27	0.077	1490	2.52MHz
MCHA0914-330K	33	0.084	1490	2.52MHz
MCHA0914-390K	39	0.096	1280	2.52MHz
MCHA0914-470K	47	0.104	1220	2.52MHz
MCHA0914-560K	56	0.150	1060	2.52MHz
MCHA0914-680K	68	0.176	1000	2.52MHz
MCHA0914-820K	82	0.192	830	2.52MHz
MCHA0914-101K	100	0.25	610	796KHz
MCHA0914-121K	120	0.27	560	796KHz
MCHA0914-151K	150	0.31	470	796KHz
MCHA0914-181K	180	0.35	450	796KHz
MCHA0914-221K	220	0.51	380	796KHz
MCHA0914-271K	270	0.57	330	796KHz
MCHA0914-331K	330	0.64	330	796KHz
MCHA0914-391K	390	0.86	330	796KHz
MCHA0914-471K	470	0.95	330	796KHz
MCHA0914-561K	560	1.08	320	796KHz
MCHA0914-681K	680	1.09	320	796KHz
MCHA0914-821K	820	0.33	310	796KHz
MCHA0914-102K	1000	0.65	110	252KHz
MCHA0914-122K	1200	0.87	90	252KHz
MCHA0914-152K	1500	2.14	81	252KHz
MCHA0914-182K	1800	2.48	72	252KHz
MCHA0914-222K	2200	3.65	63	252KHz
MCHA0914-272K	2700	4.15	63	252KHz
MCHA0914-332K	3300	4.67	54	252KHz
MCHA0914-392K	3900	5.01	54	252KHz
MCHA0914-472K	4700	5.75	45	252KHz
MCHA0914-562K	5600	7.52	45	252KHz
MCHA0914-682K	6800	8.66	36	252KHz
MCHA0914-822K	8200	9.35	36	252KHz
MCHA0914-103K	10000	15.9	34	79.6KHz
MCHA0914-123K	12000	18.2	34	79.6KHz
MCHA0914-153K	15000	20.6	32	79.6KHz
MCHA0914-183K	18000	23.3	31	79.6KHz
MCHA0914-223K	22000	26.9	28	79.6KHz
MCHA0914-273K	27000	37.0	27	79.6KHz
MCHA0914-333K	33000	43.2	25	79.6KHz
MCHA0914-393K	39000	47.9	23	79.6KHz
MCHA0914-473K	47000	54.0	22	79.6KHz
MCHA0914-563K	56000	70.4	21	79.6KHz
MCHA0914-683K	68000	79.0	20	79.6KHz
MCHA0914-823K	82000	103.6	20	79.6KHz
MCHA0914-104K	100000	111.0	19	79.6KHz

## ► Electrical Characteristics For MCHA1124 Series

Part Number	Inductance [μH]	DCR(max) [Ω]	Isat [A]	Irms [A]
MCHA1124-100K	10±10%	0.025	8.00	5.80
MCHA1124-120K	12±10%	0.028	7.50	5.40
MCHA1124-150K	15±10%	0.032	6.80	5.20
MCHA1124-180K	18±10%	0.035	6.30	5.00
MCHA1124-220K	22±10%	0.040	5.60	4.30
MCHA1124-270K	27±10%	0.048	5.00	4.00
MCHA1124-330K	33±10%	0.055	4.50	3.80
MCHA1124-390K	39±10%	0.060	4.30	3.50
MCHA1124-470K	47±10%	0.075	3.80	2.80
MCHA1124-560K	56±10%	0.085	3.50	2.60
MCHA1124-680K	68±10%	0.095	3.10	2.50
MCHA1124-820K	82±10%	0.10	2.85	2.40
MCHA1124-101K	100±10%	0.13	2.60	2.20
MCHA1124-121K	120±10%	0.16	2.30	2.00
MCHA1124-151K	150±10%	0.17	2.15	1.80
MCHA1124-181K	180±10%	0.19	2.00	1.70
MCHA1124-221K	220±10%	0.25	1.85	1.60
MCHA1124-271K	270±10%	0.28	1.60	1.50
MCHA1124-331K	330±10%	0.32	1.45	1.40
MCHA1124-391K	390±10%	0.36	1.35	1.30
MCHA1124-471K	470±10%	0.48	1.20	1.10
MCHA1124-561K	560±10%	0.53	1.10	1.00
MCHA1124-681K	680±10%	0.60	1.05	0.95
MCHA1124-821K	820±10%	0.80	0.95	0.88
MCHA1124-102K	1000±10%	0.90	0.85	0.80
MCHA1124-122K	1200±10%	1.20	0.75	0.70
MCHA1124-152K	1500±10%	1.40	0.70	0.64
MCHA1124-182K	1800±10%	1.80	0.65	0.58
MCHA1124-222K	2200±10%	2.05	0.58	0.54
MCHA1124-272K	2700±10%	2.60	0.52	0.47
MCHA1124-332K	3300±10%	2.95	0.46	0.45
MCHA1124-392K	3900±10%	3.60	0.42	0.40
MCHA1124-472K	4700±10%	4.10	0.38	0.37
MCHA1124-562K	5600±10%	5.10	0.34	0.33
MCHA1124-682K	6800±10%	5.90	0.30	0.30
MCHA1124-822K	8200±10%	7.50	0.26	0.27
MCHA1124-103K	10000±10%	9.50	0.24	0.24