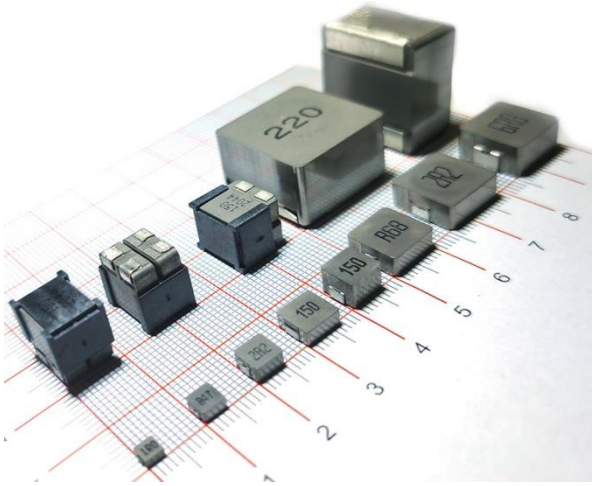
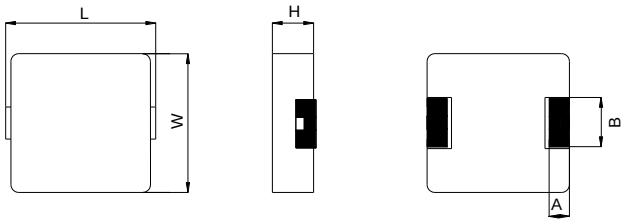
Product Outline

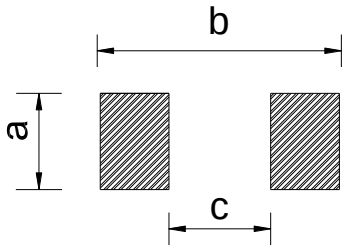
- Alloy powder DC-DC Converter shielded inductors.
- A wide range of product line up is available to meet the various requirements.
- High saturation current, low DCR, high efficiency.
- Very low acoustic noise and very low leakage flux noise.
- Ideally used in flat TV, LCD display, AV devices, car navigation, LED lighting, smart screen, power modules.
- RoHS compliant.



Dimensions



Recommended Land Pattern



Unit：mm

Type	L	W	H	A	B	a	b	c	Packaging (pcs/reel)
MTA3015S	3.4	3.0	1.3	0.7	1.3	2.0	4.2	1.2	3000
MTA4012S	4.4	4.2	1.0	1.0	2.0	2.5	5.2	2.2	3000
MTA4020S	4.4	4.2	1.8	1.0	2.0	2.5	5.2	2.2	3000
MTA5018S	5.4	5.2	1.6	1.2	2.2	2.5	6.0	2.2	2000
MTA5030S	5.4	5.2	2.8	1.2	2.2	2.5	6.0	2.2	2000
MTA6018S	7.0	6.6	1.6	1.6	3.0	3.5	8.4	3.7	2000
MTA6020S	7.0	6.6	1.8	1.6	3.0	3.5	8.4	3.7	2000
MTA6024S	7.0	6.6	2.2	1.6	3.0	3.5	8.4	3.7	1500
MTA6030S	7.0	6.6	2.8	1.6	3.0	3.5	8.4	3.7	1500
MTA6040S	7.0	6.6	3.8	1.6	3.0	3.5	8.4	3.7	1000
MTA6050S	7.0	6.6	4.8	1.6	3.0	3.5	8.4	3.7	1000
MTA1030S	11.5	10.0	2.8	2.0	3.0	3.5	13.6	5.4	1000
MTA1040S	11.5	10.0	3.8	2.0	3.0	3.5	13.6	5.4	1000
MTA1050S	11.5	10.0	4.8	2.0	3.0	3.5	13.6	5.4	800
MTA1240S	13.45	12.8	4.0	2.2	3.8	4.5	14.5	8.0	800
MTA1250S	13.45	12.6	4.8	2.2	3.8	4.5	14.5	8.0	500
MTA1260S	13.45	12.6	5.8	2.2	3.8	4.5	14.5	8.0	500
MTA1265S	13.45	12.6	6.5	2.2	3.8	4.5	14.5	8.0	500
MTA1707S	17.15	17.15	7.0	2.5	12.0	12.8	18.2	11.2	200

Dimensions without tolerance are typical.

Product Identification

MTA	1040	S	-	6R8	M	C	S
(1)	(2)	(3)		(4)	(5)	(6)	(7)

(1) Product Series No.

(2) Dimension symbol.

10.0 x 3.8 mm (W x H)

(3) Internal control code.

(4) Inductance value.

100=10×10^0 uH=10uH 6R8=6.8 uH

(5) Tolerance.

M=±20% Y=±30% P=±35%

(6) Packing Style, T=Taping, B=Bulk

(7) Characteristic parameter level.

MTA3015S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA3015S-R22MCS	0.22	±20%	13.0	11.20	14.0	8.80	11.0
MTA3015S-R33MCS	0.33	±20%	18.0	9.20	11.50	6.80	8.50
MTA3015S-R47MCS	0.47	±20%	22.0	7.20	9.0	5.60	7.0
MTA3015S-1R0MCS	1.0	±20%	42.0	4.96	6.20	3.60	4.50
MTA3015S-1R5MCS	1.5	±20%	60.0	4.64	5.80	3.04	3.80
MTA3015S-2R2MCS	2.2	±20%	85.0	4.0	5.0	2.56	3.20
MTA3015S-3R3MCS	3.3	±20%	110.0	2.80	3.50	1.76	2.20
MTA3015S-100MCS	10.0	±20%	360.0	1.60	2.0	0.96	1.20

MTA4012S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA4012S-R15MCS	0.15	±20%	9.0	12.0	15.0	6.80	7.50
MTA4012S-R22MCS	0.22	±20%	11.0	8.80	11.0	6.50	7.0
MTA4012S-R33MCS	0.33	±20%	19.0	6.70	8.40	5.70	6.50
MTA4012S-R47MCS	0.47	±20%	21.0	5.40	6.80	5.20	6.0
MTA4012S-R68MCS	0.68	±20%	36.0	4.80	6.0	4.20	4.70
MTA4012S-1R0MCS	1.0	±20%	47.0	4.40	5.50	3.80	4.50
MTA4012S-1R5MCS	1.5	±20%	75.0	3.20	4.0	2.70	3.25
MTA4012S-2R2MCS	2.2	±20%	83.5	2.40	3.0	2.20	2.75
MTA4012S-4R7MCS	4.7	±20%	195.0	1.80	2.20	1.45	1.80

MTA4020S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA4020S-R10MCS	0.10	±20%	4	17.60	22.0	11.20	13.0
MTA4020S-R22MCS	0.22	±20%	6.6	10.0	12.50	8.20	9.50
MTA4020S-R33MCS	0.33	±20%	11	9.60	12.0	8.60	10.0
MTA4020S-R47MCS	0.47	±20%	14	7.60	9.50	6.65	7.50
MTA4020S-R56MCS	0.56	±20%	16	7.20	9.0	6.10	7.0
MTA4020S-R68MCS	0.68	±20%	18	6.40	8.0	6.15	7.0
MTA4020S-1R0MCS	1.0	±20%	27	5.60	7.0	5.40	6.0
MTA4020S-1R2MCS	1.2	±20%	27	5.20	6.50	5.40	6.0
MTA4020S-1R5MCS	1.5	±20%	46	4.40	5.50	4.30	5.0
MTA4020S-2R2MCS	2.2	±20%	58	4.0	5.0	3.80	4.50
MTA4020S-3R3MCS	3.3	±20%	87	2.80	3.50	2.80	3.30
MTA4020S-4R7MCS	4.7	±20%	105	2.40	3.0	2.20	2.80
MTA4020S-6R8MCS	6.8	±20%	175	2.0	2.50	1.90	2.40
MTA4020S-100MCS	10	±20%	282	1.60	2.0	1.30	1.60
MTA4020S-220MCS	22	±20%	363	1.12	1.40	0.90	1.20

MTA5018S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA5018S-R47MCS	0.47	±20%	9	9.60	12.0	9.50	10.50
MTA5018S-R56MCS	0.56	±20%	10	8.80	11.0	8.20	8.50
MTA5018S-1R0MCS	1.0	±20%	17	7.20	9.0	7.20	8.0
MTA5018S-1R5MCS	1.5	±20%	26	6.40	8.0	6.60	7.50
MTA5018S-2R2MCS	2.2	±20%	35	4.80	6.0	4.20	5.0
MTA5018S-3R3MCS	3.3	±20%	58	3.84	4.80	3.80	4.50
MTA5018S-4R7MCS	4.7	±20%	85	3.20	4.0	3.0	3.50
MTA5018S-6R8MCS	6.8	±20%	120	2.72	3.40	2.40	2.80
MTA5018S-100MCS	10	±20%	155	2.0	2.50	2.20	2.50

MTA5030S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA5030S-R10MCS	0.10	±20%	3.0	24.0	30.0	23.0	25.0
MTA5030S-R20MCS	0.20	±20%	3.9	16.0	20.0	13.0	14.0
MTA5030S-R33MCS	0.33	±20%	5.5	14.40	18.0	13.10	14.0
MTA5030S-R47MCS	0.47	±20%	8.5	12.0	15.0	10.0	11.0
MTA5030S-R68MCS	0.68	±20%	12	9.20	11.50	8.20	9.0
MTA5030S-1R0MCS	1.0	±20%	14	8.0	10.0	7.80	8.50
MTA5030S-1R2MCS	1.2	±20%	16	7.60	9.50	7.85	8.50
MTA5030S-1R5MCS	1.5	±20%	25	7.20	9.0	7.60	8.20
MTA5030S-2R2MCS	2.2	±20%	29	5.60	7.0	6.40	7.0
MTA5030S-3R3MCS	3.3	±20%	38	4.80	6.0	5.50	5.50
MTA5030S-4R7MCS	4.7	±20%	60	3.68	4.60	4.0	4.50
MTA5030S-6R8MCS	6.8	±20%	90	2.88	3.60	2.90	3.50
MTA5030S-100MCS	10	±20%	125	2.80	3.50	2.80	3.20

MTA6018S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA6018S-R10MCS	0.10	±20%	2.3	30.40	38.0	23.0	25.0
MTA6018S-R22MCS	0.22	±20%	3.5	19.20	24.0	20.0	22.0
MTA6018S-R47MCS	0.47	±20%	8.4	14.40	18.0	10.0	11.50
MTA6018S-R68MCS	0.68	±20%	12	13.20	16.50	8.40	9.50
MTA6018S-1R0MCS	1.0	±20%	16	9.60	12.0	7.60	8.50
MTA6018S-1R5MCS	1.5	±20%	26	7.36	9.20	7.10	8.0
MTA6018S-2R2MCS	2.2	±20%	35	6.40	8.0	6.20	7.0
MTA6018S-3R3MCS	3.3	±20%	50	4.80	6.0	3.80	4.50
MTA6018S-4R7MCS	4.7	±20%	62	4.0	5.0	3.50	4.0
MTA6018S-6R8MCS	6.8	±20%	110	3.60	4.50	2.40	3.0
MTA6018S-100MCS	10	±20%	155	3.20	4.0	1.95	2.30
MTA6018S-220MCS	22	±20%	350	1.84	2.30	1.40	1.80

MTA6020S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA6020S-4R7MCS	4.7	±20%	60	4.40	5.50	3.44	4.30
MTA6020S-100MCS	10	±20%	145	3.20	4.0	2.24	2.80

MTA6024S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA6024S-R22MCS	0.22	±20%	3.0	24.0	30.0	19.0	21.0
MTA6024S-R33MCS	0.33	±20%	4.1	19.60	24.50	16.0	18.0
MTA6024S-R47MCS	0.47	±20%	5.1	16.0	20.0	13.50	15.0
MTA6024S-R56MCS	0.56	±20%	6.5	13.60	17.0	11.50	13.0
MTA6024S-R68MCS	0.68	±20%	7.0	12.80	16.0	10.50	12.0
MTA6024S-1R0MCS	1.0	±20%	13.5	12.0	15.0	8.0	9.0
MTA6024S-1R5MCS	1.5	±20%	20.0	10.80	13.50	7.0	8.20
MTA6024S-2R2MCS	2.2	±20%	28.0	8.0	10.0	6.20	7.0
MTA6024S-3R3MCS	3.3	±20%	39.0	6.40	8.0	4.80	5.50
MTA6024S-4R7MCS	4.7	±20%	50.0	5.20	6.50	4.30	5.0
MTA6024S-6R8MCS	6.8	±20%	70.0	4.80	6.0	3.20	4.0
MTA6024S-100MCS	10	±20%	101.0	3.20	4.0	2.40	3.10
MTA6024S-150MCS	15	±20%	160.0	2.64	3.30	2.0	2.50
MTA6024S-220MCS	22	±20%	230.0	2.0	2.50	1.60	2.0

MTA6030S Electrical Characteristics

art Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA6030S-R22MCS	0.22	±20%	3.0	27.20	34.0	21.0	24.0
MTA6030S-R33MCS	0.33	±20%	3.5	20.0	25.0	19.0	21.0
MTA6030S-R47MCS	0.47	±20%	4.1	16.0	20.0	16.50	18.0
MTA6030S-R56MCS	0.56	±20%	4.5	14.40	18.0	15.0	16.50
MTA6030S-R68MCS	0.68	±20%	5.3	13.60	17.0	14.50	16.0
MTA6030S-R82MCS	0.82	±20%	6.0	12.80	16.0	12.50	14.0
MTA6030S-1R0MCS	1.0	±20%	7.4	12.0	15.0	10.50	12.0
MTA6030S-1R5MCS	1.5	±20%	12.1	9.60	12.0	10.50	12.0
MTA6030S-2R2MCS	2.2	±20%	15.0	8.0	10.0	8.50	9.50
MTA6030S-3R3MCS	3.3	±20%	22.0	7.60	9.50	7.50	8.50
MTA6030S-4R7MCS	4.7	±20%	33.0	7.20	9.0	5.0	6.0
MTA6030S-5R6MCS	5.6	±20%	42.0	5.20	6.50	4.80	5.50
MTA6030S-6R8MCS	6.8	±20%	48.0	4.80	6.0	4.20	5.0
MTA6030S-8R2MCS	8.2	±20%	60.0	4.40	5.50	4.20	5.0
MTA6030S-100MCS	10	±20%	68.0	4.40	5.50	3.80	4.50
MTA6030S-150MCS	15	±20%	113.0	3.20	4.0	2.30	3.0
MTA6030S-220MCS	22	±20%	170.0	2.40	3.0	2.0	2.50
MTA6030S-330MCS	33	±20%	270.0	2.0	2.50	1.60	2.0
MTA6030S-470MCS	47	±20%	385.0	1.60	2.0	1.20	1.50

MTA6040S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA6040S-R68MCS	0.68	±20%	4.8	15.2	19.0	13.60	17.0
MTA6040S-1R0MCS	1.0	±20%	6.6	12.8	16.0	10.80	13.50
MTA6040S-1R5MCS	1.5	±20%	10.0	10.0	12.50	9.92	12.40
MTA6040S-2R2MCS	2.2	±20%	14.0	8.80	11.0	7.80	10.0
MTA6040S-3R3MCS	3.3	±20%	20.0	7.60	9.50	6.80	8.50
MTA6040S-4R7MCS	4.7	±20%	30.0	7.20	9.0	6.0	6.50
MTA6040S-6R8MCS	6.8	±20%	45.0	5.20	6.50	4.40	5.50
MTA6040S-100MCS	10	±20%	65.0	4.80	6.0	3.84	4.80
MTA6040S-150MCS	15	±20%	95.0	3.60	4.50	2.80	3.70
MTA6040S-220MCS	22	±20%	125.0	3.20	4.0	2.64	3.30
MTA6040S-330MCS	33	±20%	240.0	2.40	3.0	1.76	2.20
MTA6040S-470MCS	47	±20%	320.0	2.0	2.50	1.44	1.80

MTA6050S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA6050S-R47MCS	0.47	±20%	3.9	16.80	21.0	17.0	20.0
MTA6050S-R68MCS	0.68	±20%	4.5	14.40	18.0	14.50	16.50
MTA6050S-1R0MCS	1.0	±20%	6.6	12.80	16.0	10.0	12.0
MTA6050S-1R5MCS	1.5	±20%	10.0	10.40	13.0	8.20	9.50
MTA6050S-2R2MCS	2.2	±20%	12.5	8.80	11.0	8.0	9.0
MTA6050S-3R3MCS	3.3	±20%	22.0	8.0	10.0	7.60	8.50
MTA6050S-4R7MCS	4.7	±20%	29.0	6.40	8.0	5.0	6.0
MTA6050S-6R8MCS	6.8	±20%	41.0	5.04	6.30	4.0	5.80
MTA6050S-8R2MCS	8.2	±20%	48.0	4.40	5.50	4.80	5.50
MTA6050S-100MCS	10	±20%	60.0	4.24	5.30	3.80	4.50
MTA6050S-150MCS	15	±20%	90.0	3.20	4.0	2.60	3.10
MTA6050S-220MCS	22	±20%	140.0	2.80	3.50	2.0	2.60
MTA6050S-330MCS	33	±20%	190.0	2.40	3.0	1.80	2.30
MTA6050S-470MCS	47	±20%	230.0	2.08	2.60	1.50	2.0
MTA6050S-680MCS	68	±20%	400.0	1.76	2.20	1.35	1.80

MTA1030S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1030S-R22MCS	0.22	±20 %	1.2	40.0	50.0	28.1	33.0
MTA1030S-R33MCS	0.33	±20 %	1.6	25.6	32.0	19.6	23.0
MTA1030S-R36MCS	0.36	±20 %	1.6	22.4	28.0	19.6	23.0
MTA1030S-R47MCS	0.47	±20 %	2.5	20.8	26.0	18.7	22.0
MTA1030S-R82MCS	0.82	±20 %	3.7	18.4	23.0	15.3	18.0
MTA1030S-1R0MCS	1.0	±20 %	6	16.8	21.0	12.8	15.0
MTA1030S-2R2MCS	2.2	±20 %	9	11.2	14.0	9.4	11.0
MTA1030S-3R3MCS	3.3	±20 %	16	9.6	12.0	7.7	9.0
MTA1030S-4R7MCS	4.7	±20 %	24	8.0	10.0	6.0	7.0
MTA1030S-8R2MCS	8.2	±20 %	45	5.6	7.0	4.3	5.0
MTA1030S-330MCS	33.0	±20 %	160	3.2	4.0	2.2	2.6

MTA1040S Electrical Characteristics

art Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1040S-R15MCS	0.15	±20%	0.7	60.0	HH	40.0	45.0
MTA1040S-R22MCS	0.22	±20%	1.0	48.0	60.0	30.0	35.0
MTA1040S-R30MCS	0.30	±20%	1.1	36.0	45.0	30.0	35.0
MTA1040S-R36MCS	0.36	±20%	1.2	36.0	45.0	25.0	30.0
MTA1040S-R45MCS	0.45	±20%	1.5	34.0	43.0	25.0	30.0
MTA1040S-R47MCS	0.47	±20%	1.7	32.0	40.0	25.0	30.0
MTA1040S-R56MCS	0.56	±20%	1.8	26.40	33.0	20.0	25.0
MTA1040S-R68MCS	0.68	±20%	2.4	24.0	30.0	19.0	23.0
MTA1040S-R80MCS	0.80	±20%	2.7	23.20	29.0	19.0	23.0
MTA1040S-1R0MCS	1.0	±20%	3.3	22.40	28.0	16.0	19.0
MTA1040S-1R5MCS	1.5	±20%	4.2	19.20	24.0	14.0	16.0
MTA1040S-2R2MCS	2.2	±20%	7.0	13.20	16.50	10.0	12.0
MTA1040S-3R3MCS	3.3	±20%	11.8	12.80	16.0	9.50	11.0
MTA1040S-4R7MCS	4.7	±20%	20.0	10.40	13.0	7.50	9.0
MTA1040S-6R8MCS	6.8	±20%	25.0	9.60	12.0	7.0	8.50
MTA1040S-8R2MCS	8.2	±20%	27.0	7.20	9.0	6.80	8.0
MTA1040S-100MCS	10	±20%	30.0	6.80	8.50	6.90	7.80
MTA1040S-150MCS	15	±20%	45.0	5.60	7.0	5.60	6.50
MTA1040S-220MCS	22	±20%	66.0	4.40	5.50	4.20	5.0
MTA1040S-330MCS	33	±20%	92.0	3.84	4.80	3.80	4.40
MTA1040S-470MCS	47	±20%	145.0	3.10	3.50	2.80	3.30
MTA1040S-680MCS	68	±20%	195.0	2.40	3.0	2.0	2.50
MTA1040S-101MCS	100	±20%	315	2.30	2.80	1.70	2.0

MTA1050S Electrical Characteristics

art Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1050S-R22MCS	0.22	±20 %	0.8	52.0	65.0	31.5	37.0
MTA1050S-1R0MCS	1.0	±20 %	3	24.0	30.0	19.6	23.0
MTA1050S-1R5MCS	1.5	±20 %	3.8	20.0	25.0	17.9	21.0
MTA1050S-2R2MCS	2.2	±20 %	6	15.2	19.0	12.8	15.0
MTA1050S-3R3MCS	3.3	±20 %	10	12.8	16.0	11.1	13.0
MTA1050S-4R7MCS	4.7	±20 %	14	12.0	15.0	9.4	11.0
MTA1050S-5R6MCS	5.6	±20 %	17	11.2	14.0	8.1	9.5
MTA1050S-6R8MCS	6.8	±20 %	18.5	11.2	14.0	7.7	9.0
MTA1050S-100MCS	10	±20 %	28	8.0	10.0	6.8	8.0
MTA1050S-150MCS	15	±20 %	42	6.0	7.5	5.5	6.5
MTA1050S-220MCS	22	±20 %	50	4.8	6.0	4.7	5.5
MTA1050S-330MCS	33	±20 %	86	4.2	5.2	4.1	4.8
MTA1050S-470MCS	47	±20 %	127	3.6	4.5	3.1	3.7
MTA1050S-101MCS	100	±20 %	290	2.2	2.8	1.8	2.1

MTA1240S Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1240S-R22MCS	0.22	±20%	0.9	40.0	50.0	38.0	42.0
MTA1240S-R47MCS	0.47	±20%	2.0	38.40	48.0	29.0	33.0
MTA1240S-R68MCS	0.68	±20%	3.5	37.60	47.0	24.0	28.0
MTA1240S-R82MCS	0.82	±20%	4.5	32.0	40.0	24.0	28.0
MTA1240S-1R0MCS	1.0	±20%	7.5	28.0	35.0	20.0	24.0
MTA1240S-1R5MCS	1.5	±20%	9.5	24.40	30.50	17.0	20.0
MTA1240S-2R2MCS	2.2	±20%	11.5	20.80	26.0	15.0	18.0
MTA1240S-3R3MCS	3.3	±20%	13.0	16.80	21.0	13.0	15.0
MTA1240S-4R7MCS	4.7	±20%	14.5	14.40	18.0	11.0	13.0
MTA1240S-6R8MCS	6.8	±20%	20.0	11.20	14.0	8.0	9.0
MTA1240S-100MCS	10	±20%	25.0	8.0	10.0	7.0	8.0
MTA1240S-150MCS	15	±20%	39.0	6.0	7.50	5.80	6.50
MTA1240S-220MCS	22	±20%	51.0	4.80	6.0	3.80	4.50

MTA1250S Electrical Characteristics

art Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1250S-R22MCS	0.22	±20%	0.7	60.0	75.0	45.0	50.0
MTA1250S-R36MCS	0.36	±20%	0.85	40.0	50.0	37.0	42.0
MTA1250S-R50MCS	0.50	±20%	1.15	38.40	48.0	33.0	38.0
MTA1250S-R68MCS	0.68	±20%	1.55	36.80	46.0	29.0	33.0
MTA1250S-R82MCS	0.82	±20%	1.67	31.20	39.0	26.0	30.0
MTA1250S-1R0MCS	1.0	±20%	2.2	28.0	35.0	22.0	26.0
MTA1250S-1R5MCS	1.5	±20%	3.2	26.40	33.0	19.0	23.0
MTA1250S-2R2MCS	2.2	±20%	5.0	19.20	24.0	13.0	15.0
MTA1250S-3R3MCS	3.3	±20%	7.0	17.60	22.0	12.0	14.0
MTA1250S-4R7MCS	4.7	±20%	9.0	16.0	20.0	11.0	13.0
MTA1250S-6R8MCS	6.8	±20%	18.0	12.80	16.0	10.0	12.0
MTA1250S-100MCS	10	±20%	22.0	9.60	12.0	8.0	9.0
MTA1250S-150MCS	15	±20%	30.0	8.0	10.0	7.0	8.0
MTA1250S-220MCS	22	±20%	58.0	5.20	6.50	3.80	4.50
MTA1250S-330MCS	33	±20%	84.0	4.80	6.0	2.80	3.50
MTA1250S-470MCS	47	±20%	130.0	4.0	5.0	2.60	3.0

MTA1260S Electrical Characteristics

art Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1260S-1R5MCS	1.5	±20%	2.9	23.20	29.0	22.60	27.50
MTA1260S-2R2MCS	2.2	±20%	4.2	22.40	28.0	18.0	22.0
MTA1260S-3R3MCS	3.3	±20%	7.1	16.80	21.0	14.0	17.0
MTA1260S-4R7MCS	4.7	±20%	9.0	19.20	24.0	12.0	15.0
MTA1260S-5R6MCS	5.6	±20%	11.0	18.0	22.50	11.0	13.0
MTA1260S-6R8MCS	6.8	±20%	13.5	15.20	19.0	10.0	12.0
MTA1260S-8R2MCS	8.2	±20%	16.0	10.80	13.50	9.0	11.0
MTA1260S-100MCS	10	±20%	20.7	11.10	12.50	8.50	10.0
MTA1260S-120MCS	12	±20%	23.0	8.0	10.0	7.80	9.0
MTA1260S-150MCS	15	±20%	29.0.	7.20	9.0	7.50	8.50
MTA1260S-180MCS	18	±20%	35.0	6.40	8.0	6.50	7.50
MTA1260S-220MCS	22	±20%	39.5	6.0	7.50	6.0	7.0
MTA1260S-270MCS	27	±20%	56.0	5.20	6.50	5.0	6.0
MTA1260S-330MCS	33	±20%	75.0	4.80	6.0	4.80	5.50
MTA1260S-470MCS	47	±20%	90.0	4.40	5.50	4.20	5.0
MTA1260S-680MCS	68	±20%	140	3.60	4.50	3.20	4.0
MTA1260S-101MCS	100	±20%	200	2.80	3.50	2.50	3.0
MTA1260S-121MCS	120	±20%	235	2.56	3.20	1.70	2.0
MTA1260S-151MCS	150	±20%	350	2.16	2.70	1.20	1.50

MTA1265S Electrical Characteristics

art Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1265S-4R7MCS	4.7	±20%	8.5	19.20	24.0	12.80	16.0
MTA1265S-5R6MCS	5.6	±20%	10.5	18.0	22.50	11.20	14.0
MTA1265S-6R8MCS	6.8	±20%	12.0	15.20	19.0	10.40	13.0
MTA1265S-8R2MCS	8.2	±20%	14.0	12.80	16.0	9.60	12.0
MTA1265S-100MCS	10	±20%	16.5	12.0	15.0	8.80	11.0
MTA1265S-150MCS	15	±20%	26.0	8.80	11.0	7.60	9.50
MTA1265S-220MCS	22	±20%	36.0	7.20	9.0	6.40	8.0
MTA1265S-330MCS	33	±20%	65.0	6.40	8.0	5.20	6.50
MTA1265S-470MCS	47	±20%	70.0	5.44	6.80	4.40	5.50
MTA1265S-680MCS	68	±20%	120.0	4.16	5.20	3.84	4.80
MTA1265S-820MCS	82	±20%	135.0	3.60	4.50	3.20	4.0
MTA1265S-101MCS	100	±20%	170.0	3.20	4.0	2.80	3.50

MTA1707S Electrical Characteristics

art Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) Max.	Isat ③ (A) Typ.	Irms ④ (A) Max.	Irms ④ (A) Typ.
MTA1707S-2R2MCS	2.2	±20%	2.5	27.20	34.0	23.20	29.0
MTA1707S-3R3MCS	3.3	±20%	4.0	24.0	30.0	19.20	24.0
MTA1707S-4R7MCS	4.7	±20%	4.8	19.20	24.0	16.80	21.0
MTA1707S-6R8MCS	6.8	±20%	7.5	17.60	22.0	13.60	17.0
MTA1707S-8R2MCS	8.2	±20%	8.7	16.0	20.0	10.40	13.0
MTA1707S-100MCS	10	±20%	9.9	15.20	19.0	9.60	12.0
MTA1707S-150MCS	15	±20%	17.0	11.60	14.50	8.80	11.0
MTA1707S-220MCS	22	±20%	23.0	9.20	11.50	6.80	8.50
MTA1707S-330MCS	33	±20%	37.0	8.0	10.0	6.40	8.0
MTA1707S-470MCS	47	±20%	47.0	6.0	7.50	4.80	6.0
MTA1707S-680MCS	68	±20%	85.0	5.20	6.50	4.16	5.20
MTA1707S-101MCS	100	±20%	130.0	4.0	5.0	2.96	3.70

① Inductance tested at 100kHz, 0.5 Vrms using an Agilent/HP 4192A or equivalent.

② DCR measured on a micro-ohmmeter.

③ Isat: The DC current at which the inductance decreases by 30% of it's initial value.

④ Irms: The DC current at which △t=40℃.