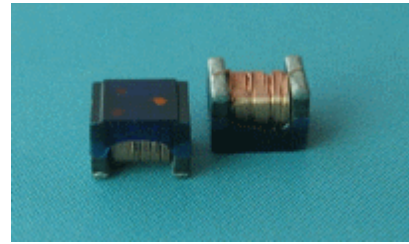


FEATURES

- Utilizing a miniaturized winding structure.
- High Q , low DC resistance characteristics.
- Precision inductance tolerance is available.



APPLICATIONS

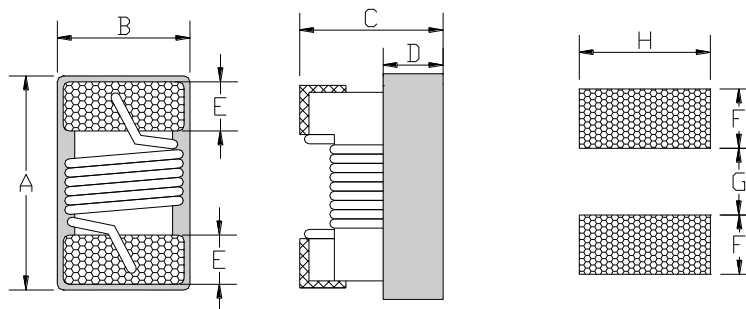
- xDSL mode and cable modem.
- Personal computers, Digital cameras and other electronic equipments

Product Identification

MTF 0805 W 100 K S I
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Series Name
- ② Dimensions: [0805inch]
- ③ Structure
- ④ Inductance: [1R0=1.0uH; 100=10uH; 101=100uH]
- ⑤ Tolerance of Inductance: [J:±5% K:±10%]
- ⑥ Termination Materials [S: Sn]
- ⑦ Packing: (B: Bulk ; T: Tape and Reel)

Shapes and Dimensions



Series	Dimensions(mm)							
	A(max)	B(max)	C(max)	D	E	F	G	H
MTF0805W	2.4	1.65	1.3	0.65	0.44	1.02	0.76	1.78
MTF1008W	2.9	2.55	2.1	1.3	0.5	1.02	1.27	2.54
MTF1210W	3.6	2.9	2.4	1.3	0.5	1.2	2.0	1.2

Electrical Characteristics

MTF0805W Series

Part Number	Inductance uH / MHz	Q / MHz Min.	SRF / MHz Min.	DCR / (Ω) Max.	Idc / (mA) Max.
MTF0805WR12_ST	0.12 / 25	25 / 25	1000	0.18	1500
MTF0805WR15_ST	0.15 / 25	25 / 25	1000	0.18	1400
MTF0805WR18_ST	0.18 / 25	30 / 25	1000	0.20	1400
MTF0805WR22_ST	0.22 / 25	30 / 25	830	0.25	1350
MTF0805WR27_ST	0.27 / 25	30 / 25	800	0.38	1300
MTF0805WR33_ST	0.33 / 25	30 / 25	750	0.35	1200
MTF0805WR39_ST	0.39 / 25	30 / 25	700	0.35	1160
MTF0805WR47_ST	0.47 / 25	30 / 25	690	0.40	1100
MTF0805WR56_ST	0.56 / 25	30 / 25	640	0.40	1040
MTF0805WR62_ST	0.62 / 25	30 / 25	640	0.45	980
MTF0805WR68_ST	0.68 / 25	30 / 25	510	0.50	900
MTF0805WR82_ST	0.82 / 25	30 / 25	500	0.50	900
MTF0805WR91_ST	0.91 / 25	30 / 25	500	0.55	900
MTF0805W1R0_ST	1.0 / 7.9	20 / 7.9	470	0.60	840
MTF0805W1R2_ST	1.2 / 7.9	20 / 7.9	400	0.75	800
MTF0805W1R5_ST	1.5 / 7.9	25 / 7.9	400	1.00	720
MTF0805W1R8_ST	1.8 / 7.9	25 / 7.9	230	1.00	660
MTF0805W2R2_ST	2.2 / 7.9	25 / 7.9	200	1.05	600
MTF0805W2R7_ST	2.7 / 7.9	25 / 7.9	130	1.18	500
MTF0805W3R3_ST	3.3 / 7.9	25 / 7.9	160	1.26	480
MTF0805W3R9_ST	3.9 / 7.9	25 / 7.9	130	1.75	440
MTF0805W4R7_ST	4.7 / 7.9	25 / 7.9	120	1.87	390
MTF0805W5R6_ST	5.6 / 7.9	25 / 7.9	90	2.00	340
MTF0805W6R8_ST	6.8 / 7.9	25 / 7.9	55	2.15	300
MTF0805W8R2_ST	8.2 / 7.9	25 / 7.9	40	2.37	280
MTF0805W100_ST	10.0 / 2.5	16.0 / 2.5	40	2.55	260
MTF0805W120_ST	12.0 / 2.5	16.0 / 2.5	37	2.80	220
MTF0805W150_ST	15.0 / 2.5	16.0 / 2.5	30	3.80	200
MTF0805W180_ST	18.0 / 2.5	16.0 / 2.5	23	4.48	180
MTF0805W220_ST	22.0 / 2.5	16.0 / 2.5	20	6.30	160
MTF0805W270_ST	27.0 / 2.5	16.0 / 2.5	19	6.85	140
MTF0805W330_ST	33.0 / 2.5	16.0 / 2.5	18	7.60	120

1. Please specify the inductance tolerance: J= $\pm 5\%$ K= $\pm 10\%$
2. L, Q, SRF : Agilent/HP E4991A+ Agilent/HP16197A.
3. Rdc : Chroma 3205B, or equivalent.
4. Idc for Inductance drop 10% from its value without current.
5. Operating temperature range from -25°C to 85°C .
6. Parts/Reel: 7" , 2000 Pcs.

MTF1008W Series

Part Number	Inductance uH / MHz	Q / MHz Min.	SRF / MHz Min.	DCR / (Ω) Max.	Idc / (mA) Max.
MTF1008WR22_ST	0.22 / 25	27 / 25	750	0.40	880
MTF1008WR39_ST	0.39 / 25	30 / 25	480	0.45	920
MTF1008WR56_ST	0.56 / 25	30 / 25	460	0.55	900
MTF1008WR68_ST	0.68 / 25	30 / 25	420	0.55	880
MTF1008WR82_ST	0.82 / 25	30 / 25	380	0.65	840
MTF1008W1R0_ST	1.0 / 7.9	25 / 7.9	300	0.60	800
MTF1008W1R2_ST	1.2 / 7.9	25 / 7.9	280	0.74	800
MTF1008W1R8_ST	1.8 / 7.9	25 / 7.9	240	0.92	780
MTF1008W2R2_ST	2.2 / 7.9	25 / 7.9	205	1.10	760
MTF1008W3R3_ST	3.3 / 7.9	25 / 7.9	165	1.37	740
MTF1008W3R9_ST	3.9 / 7.9	25 / 7.9	144	1.66	700
MTF1008W4R7_ST	4.7 / 7.9	25 / 7.9	110	1.68	660
MTF1008W5R6_ST	5.6 / 7.9	25 / 7.9	88	1.75	640
MTF1008W6R8_ST	6.8 / 7.9	25 / 7.9	70	1.85	640
MTF1008W8R2_ST	8.2 / 7.9	25 / 7.9	57	2.00	600
MTF1008W100_ST	10 / 2.5	15 / 2.5	55	2.32	600
MTF1008W120_ST	12 / 2.5	15 / 2.5	52	2.99	560
MTF1008W150_ST	15 / 2.5	15 / 2.5	49	3.42	480
MTF1008W180_ST	18 / 2.5	15 / 2.5	48	4.65	420
MTF1008W220_ST	22 / 2.5	15 / 2.5	25	5.12	420
MTF1008W270_ST	27 / 2.5	15 / 2.5	23	5.76	420
MTF1008W330_ST	33 / 2.5	15 / 2.5	17	6.44	400
MTF1008W390_ST	39 / 2.5	15 / 2.5	15	6.85	380
MTF1008W470_ST	47 / 2.5	14 / 2.5	13	9.94	260
MTF1008W560_ST	56 / 2.5	14 / 2.5	10	10.7	280
MTF1008W680_ST	68 / 2.5	14 / 2.5	8	12.8	260
MTF1008W820_ST	82 / 2.5	14 / 2.5	8	18.3	240
MTF1008W101_ST	100 / 1.0	8 / 1.0	7	19.6	200

1. Please specify the inductance tolerance: J= $\pm 5\%$ K= $\pm 10\%$
2. L, Q, SRF : Agilent/HP E4991A+ Agilent/HP16197A.
3. Rdc : Chroma 3205B, or equivalent.
4. Idc for Inductance drop 10% from its value without current.
5. Operating temperature range from -25°C to 85°C.
6. Parts/Reel: 7" ,2000Pcs.

MTF1210W Series

Part Number	Inductance uH / MHz	Q / MHz Min.	SRF / MHz Min.	DCR / (Ω) Max.	Idc / (mA) Max.
MTF1210W1R8_ST	1.8 / 7.9	40 / 7.9	203	0.62	1000
MTF1210W2R7_ST	2.7 / 7.9	40 / 7.9	200	0.65	1000
MTF1210W3R0_ST	3.0 / 7.9	40 / 7.9	180	0.78	800
MTF1210W3R3_ST	3.3 / 7.9	30 / 7.9	146	0.83	1200
MTF1210W3R9_ST	3.9 / 7.9	30 / 7.9	139	1.74	900
MTF1210W4R7_ST	4.7 / 7.9	35 / 7.9	124	1.90	800
MTF1210W5R6_ST	5.6 / 7.9	30 / 7.9	114	2.05	700
MTF1210W6R8_ST	6.8 / 7.9	30 / 7.9	109	1.37	450
MTF1210W100_ST	10 / 2.5	23 / 2.5	90	1.70	590
MTF1210W150_ST	15 / 2.5	25 / 2.5	67	2.22	340
MTF1210W180_ST	18 / 2.5	25 / 2.5	57	2.42	330
MTF1210W220_ST	22 / 2.5	25 / 2.5	48	2.66	300
MTF1210W270_ST	27 / 2.5	25 / 2.5	38	2.99	250
MTF1210W680_ST	68 / 2.5	23 / 2.5	15	4.50	340
MTF1210W820_ST	82 / 2.5	23 / 2.5	15	5.95	300
MTF1210W101_ST	100 / 1.0	15 / 1.0	14	6.62	250
MTF1210W151_ST	150 / 1.0	15 / 1.0	11	8.29	135
MTF1210W221_ST	220 / 1.0	15 / 1.0	8	12.48	80

1. Please specify the inductance tolerance: J= \pm 5% K= \pm 10%
2. L, Q, SRF : Agilent/HP E4991A+ Agilent/HP16197A.
3. Rdc : Chroma 3205B, or equivalent.
4. Idc for Inductance drop 10% from its value without current.
5. Operating temperature range from -25°C to 85°C.
6. Parts/Reel: 7" ,2000Pcs.