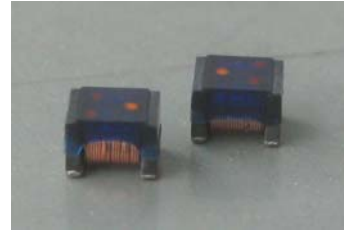


SMD Wire Wound Chip Inductor (MTF Series) 贴片铁氧体绕线电感 MTF 系列

FEATURES 特点

- Utilizing a miniaturized winding structure.
小型绕线电感
- High Q , low DC resistance characteristics.
高 Q、低直流电阻特性
- Precision inductance tolerance is available.
提供相对精确的电感值公差



APPLICATIONS 应用

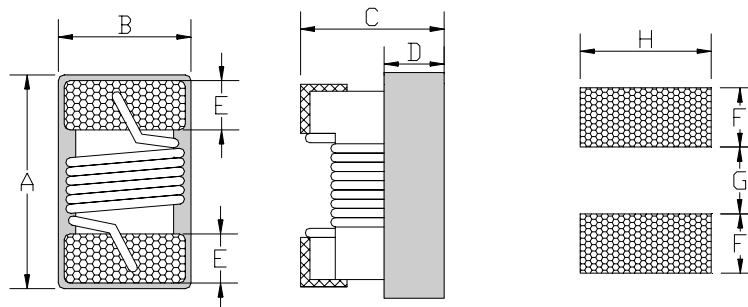
- xDSL mode and cable modem. xDSL 模块和有线电视调制解调器
- Personal computers, Digital cameras and other electronic equipments 电脑、数码相机以及其它电子产品

Product Identification 产品标识

HTF **0805** **W** **100** **K** **S** **I**
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Series Name 系列名称
- ② Dimensions 产品尺寸: [0805inch]
- ③ Structure 产品结构
- ④ Inductance 电感量: [1R0=1.0uH; 100=10uH; 101=100uH]
- ⑤ Tolerance of Inductance 电感量公差: [J:±5% K:±10%]
- ⑥ Termination Materials 电极材质 [S: Sn]
- ⑦ Packing 包装: (B: Bulk ; T: Tape and reel)

Shapes and Dimensions 外形及尺寸示意图



| Series | Dimensions(mm) | | | | | | | |
|----------|----------------|--------|--------|------|------|------|------|------|
| | A(max) | B(max) | C(max) | D | E | F | G | H |
| HTF0805W | 2.4 | 1.65 | 1.3 | 0.65 | 0.44 | 1.02 | 0.76 | 1.78 |
| HTF1008W | 2.9 | 2.55 | 2.1 | 1.3 | 0.5 | 1.02 | 1.27 | 2.54 |
| HTF1210W | 3.6 | 2.9 | 2.4 | 1.3 | 0.5 | 1.2 | 2.0 | 1.2 |

Electrical Characteristics 电气性能

HTF0805W Series

| Part Number | Inductance uH / MHz | Q / MHz Min. | SRF / MHz Min. | DCR / (Ω) Max. | Idc / (mA) Max. |
|----------------|------------------------|-----------------|-------------------|----------------------------|--------------------|
| HTF0805WR12_ST | 0.12 / 25 | 25 / 25 | 1000 | 0.18 | 1500 |
| HTF0805WR15_ST | 0.15 / 25 | 25 / 25 | 1000 | 0.18 | 1400 |
| HTF0805WR18_ST | 0.18 / 25 | 30 / 25 | 1000 | 0.20 | 1400 |
| HTF0805WR22_ST | 0.22 / 25 | 30 / 25 | 830 | 0.25 | 1350 |
| HTF0805WR27_ST | 0.27 / 25 | 30 / 25 | 800 | 0.38 | 1300 |
| HTF0805WR33_ST | 0.33 / 25 | 30 / 25 | 750 | 0.35 | 1200 |
| HTF0805WR39_ST | 0.39 / 25 | 30 / 25 | 700 | 0.35 | 1160 |
| HTF0805WR47_ST | 0.47 / 25 | 30 / 25 | 690 | 0.40 | 1100 |
| HTF0805WR56_ST | 0.56 / 25 | 30 / 25 | 640 | 0.40 | 1040 |
| HTF0805WR62_ST | 0.62 / 25 | 30 / 25 | 640 | 0.45 | 980 |
| HTF0805WR68_ST | 0.68 / 25 | 30 / 25 | 510 | 0.50 | 900 |
| HTF0805WR82_ST | 0.82 / 25 | 30 / 25 | 500 | 0.50 | 900 |
| HTF0805WR91_ST | 0.91 / 25 | 30 / 25 | 500 | 0.55 | 900 |
| HTF0805W1R0_ST | 1.0 / 7.9 | 20 / 7.9 | 470 | 0.60 | 840 |
| HTF0805W1R2_ST | 1.2 / 7.9 | 20 / 7.9 | 400 | 0.75 | 800 |
| HTF0805W1R5_ST | 1.5 / 7.9 | 25 / 7.9 | 400 | 1.00 | 720 |
| HTF0805W1R8_ST | 1.8 / 7.9 | 25 / 7.9 | 230 | 1.00 | 660 |
| HTF0805W2R2_ST | 2.2 / 7.9 | 25 / 7.9 | 200 | 1.05 | 600 |
| HTF0805W2R7_ST | 2.7 / 7.9 | 25 / 7.9 | 130 | 1.18 | 500 |
| HTF0805W3R3_ST | 3.3 / 7.9 | 25 / 7.9 | 160 | 1.26 | 480 |
| HTF0805W3R9_ST | 3.9 / 7.9 | 25 / 7.9 | 130 | 1.75 | 440 |
| HTF0805W4R7_ST | 4.7 / 7.9 | 25 / 7.9 | 120 | 1.87 | 390 |
| HTF0805W5R6_ST | 5.6 / 7.9 | 25 / 7.9 | 90 | 2.00 | 340 |
| HTF0805W6R8_ST | 6.8 / 7.9 | 25 / 7.9 | 55 | 2.15 | 300 |
| HTF0805W8R2_ST | 8.2 / 7.9 | 25 / 7.9 | 40 | 2.37 | 280 |
| HTF0805W100_ST | 10.0 / 2.5 | 16.0 / 2.5 | 40 | 2.55 | 260 |
| HTF0805W120_ST | 12.0 / 2.5 | 16.0 / 2.5 | 37 | 2.80 | 220 |
| HTF0805W150_ST | 15.0 / 2.5 | 16.0 / 2.5 | 30 | 3.80 | 200 |
| HTF0805W180_ST | 18.0 / 2.5 | 16.0 / 2.5 | 23 | 4.48 | 180 |
| HTF0805W220_ST | 22.0 / 2.5 | 16.0 / 2.5 | 20 | 6.30 | 160 |
| HTF0805W270_ST | 27.0 / 2.5 | 16.0 / 2.5 | 19 | 6.85 | 140 |
| HTF0805W330_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" ,2000Pcs.

Electrical Characteristics 电气性能

HTF1008W Series

| Part Number | Inductance uH / MHz | Q / MHz Min. | SRF / MHz Min. | DCR / (Ω) Max. | Idc / (mA) Max. |
|----------------|------------------------|-----------------|-------------------|----------------------------|--------------------|
| HTF1008WR22_ST | 0.22 / 25 | 27 / 25 | 750 | 0.40 | 880 |
| HTF1008WR39_ST | 0.39 / 25 | 30 / 25 | 480 | 0.45 | 920 |
| HTF1008WR56_ST | 0.56 / 25 | 30 / 25 | 460 | 0.55 | 900 |
| HTF1008WR68_ST | 0.68 / 25 | 30 / 25 | 420 | 0.55 | 880 |
| HTF1008WR82_ST | 0.82 / 25 | 30 / 25 | 380 | 0.65 | 840 |
| HTF1008W1R0_ST | 1.0 / 7.9 | 25 / 7.9 | 300 | 0.60 | 800 |
| HTF1008W1R2_ST | 1.2 / 7.9 | 25 / 7.9 | 280 | 0.74 | 800 |
| HTF1008W1R8_ST | 1.8 / 7.9 | 25 / 7.9 | 240 | 0.92 | 780 |
| HTF1008W2R2_ST | 2.2 / 7.9 | 25 / 7.9 | 205 | 1.10 | 760 |
| HTF1008W3R3_ST | 3.3 / 7.9 | 25 / 7.9 | 165 | 1.37 | 740 |
| HTF1008W3R9_ST | 3.9 / 7.9 | 25 / 7.9 | 144 | 1.66 | 700 |
| HTF1008W4R7_ST | 4.7 / 7.9 | 25 / 7.9 | 110 | 1.68 | 660 |
| HTF1008W5R6_ST | 5.6 / 7.9 | 25 / 7.9 | 88 | 1.75 | 640 |
| HTF1008W6R8_ST | 6.8 / 7.9 | 25 / 7.9 | 70 | 1.85 | 640 |
| HTF1008W8R2_ST | 8.2 / 7.9 | 25 / 7.9 | 57 | 2.00 | 600 |
| HTF1008W100_ST | 10 / 2.5 | 15 / 2.5 | 55 | 2.32 | 600 |
| HTF1008W120_ST | 12 / 2.5 | 15 / 2.5 | 52 | 2.99 | 560 |
| HTF1008W150_ST | 15 / 2.5 | 15 / 2.5 | 49 | 3.42 | 480 |
| HTF1008W180_ST | 18 / 2.5 | 15 / 2.5 | 48 | 4.65 | 420 |
| HTF1008W220_ST | 22 / 2.5 | 15 / 2.5 | 25 | 5.12 | 420 |
| HTF1008W270_ST | 27 / 2.5 | 15 / 2.5 | 23 | 5.76 | 420 |
| HTF1008W330_ST | 33 / 2.5 | 15 / 2.5 | 17 | 6.44 | 400 |
| HTF1008W390_ST | 39 / 2.5 | 15 / 2.5 | 15 | 6.85 | 380 |
| HTF1008W470_ST | 47 / 2.5 | 14 / 2.5 | 13 | 9.94 | 260 |
| HTF1008W560_ST | 56 / 2.5 | 14 / 2.5 | 10 | 10.7 | 280 |
| HTF1008W680_ST | 68 / 2.5 | 14 / 2.5 | 8 | 12.8 | 260 |
| HTF1008W820_ST | 82 / 2.5 | 14 / 2.5 | 8 | 18.3 | 240 |
| HTF1008W101_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.

Electrical Characteristics 电气性能**HTF1210W Series**

| Part Number | Inductance uH / MHz | Q / MHz Min. | SRF / MHz Min. | DCR / (Ω) Max. | Idc / (mA) Max. |
|----------------|------------------------|-----------------|-------------------|----------------------------|--------------------|
| HTF1210W1R8_ST | 1.8 / 7.9 | 40 / 7.9 | 203 | 0.62 | 1000 |
| HTF1210W2R7_ST | 2.7 / 7.9 | 40 / 7.9 | 200 | 0.65 | 1000 |
| HTF1210W3R0_ST | 3.0 / 7.9 | 40 / 7.9 | 180 | 0.78 | 800 |
| HTF1210W3R3_ST | 3.3 / 7.9 | 30 / 7.9 | 146 | 0.83 | 1200 |
| HTF1210W3R9_ST | 3.9 / 7.9 | 30 / 7.9 | 139 | 1.74 | 900 |
| HTF1210W4R7_ST | 4.7 / 7.9 | 35 / 7.9 | 124 | 1.90 | 800 |
| HTF1210W5R6_ST | 5.6 / 7.9 | 30 / 7.9 | 114 | 2.05 | 700 |
| HTF1210W6R8_ST | 6.8 / 7.9 | 30 / 7.9 | 109 | 1.37 | 450 |
| HTF1210W100_ST | 10 / 2.5 | 23 / 2.5 | 90 | 1.70 | 590 |
| HTF1210W150_ST | 15 / 2.5 | 25 / 2.5 | 67 | 2.22 | 340 |
| HTF1210W180_ST | 18 / 2.5 | 25 / 2.5 | 57 | 2.42 | 330 |
| HTF1210W220_ST | 22 / 2.5 | 25 / 2.5 | 48 | 2.66 | 300 |
| HTF1210W270_ST | 27 / 2.5 | 25 / 2.5 | 38 | 2.99 | 250 |
| HTF1210W680_ST | 68 / 2.5 | 23 / 2.5 | 15 | 4.50 | 340 |
| HTF1210W820_ST | 82 / 2.5 | 23 / 2.5 | 15 | 5.95 | 300 |
| HTF1210W101_ST | 100 / 1.0 | 15 / 1.0 | 14 | 6.62 | 250 |
| HTF1210W151_ST | 150 / 1.0 | 15 / 1.0 | 11 | 8.29 | 135 |
| HTF1210W221_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 $^{\circ}$ C to 85 $^{\circ}$ C.
 6. Parts/Reel: 7" ,2000Pcs.
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