

■ 繞綫型片式陶瓷體電感

WIRE WOUND CHIP CERAMIC INDUCTORS



● 特征 FEATURES:

- 體積小，適合高密度表面貼裝；
- 采用端電極結構，很好地抑制了引綫引起的寄生元件效應，具有高可靠性；
- 精度高、Q值高；
- 優良的焊接性和耐焊性。

- Miniature size, suitable for SMT;
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead;
- High Q value and Tight inductance tolerance;
- Excellent in solderability and heat resistance.

● 應用 APPLICATIONS

- 移動通信、PDA;
- 各種高頻回路；
- 抑制各種高頻雜波。

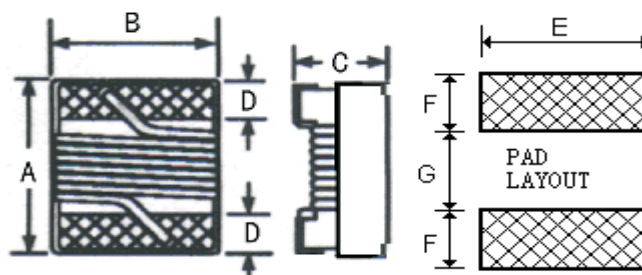
- Portable communication equipment and PDA;
- High speed electronic device;
- Used for radiation high speed noise suppression.

● 產品規格型號的表示方法 ORDERING CODE

$\frac{FHW}{①}$ $\frac{0805}{②}$ $\frac{UC}{③}$ $\frac{068}{④}$ $\frac{J}{⑤}$ $\frac{G}{⑥}$ $\frac{T}{⑦}$

| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|----------------|----------------------|-----------------|----------------|-------------------------|---------|------|---------|------|---------|--|----|----------------|----|--|---|-----|-----|-----|----|-----|-----|-----|------|-----|-------|---|---|--------|---|--------|---|--------|---|--------|---|-----|---|-----|---|-----|---|-----|---|------|---|------|--|---|------|---|-----|---|---|-------------------|---|--------|
| 產品代號 Code | 規格尺寸 Dimensions (L × W) (mm) | 材料 Material | 感量(nH) Inductance | 誤差 Tolerance | 電極 Terminal | 包裝方式 Packaging Style | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FHW | <table border="1"> <tr><td>0402</td><td>1.0×0.5</td></tr> <tr><td>0603</td><td>1.6×0.8</td></tr> <tr><td>0805</td><td>2.0×1.2</td></tr> <tr><td>1008</td><td>2.5×2.0</td></tr> <tr><td>1210</td><td>3.2×2.5</td></tr> </table> | 0402 | 1.0×0.5 | 0603 | 1.6×0.8 | 0805 | 2.0×1.2 | 1008 | 2.5×2.0 | 1210 | 3.2×2.5 | <table border="1"> <tr><td>UC</td><td>陶瓷芯 Ceramic</td></tr> <tr><td>HC</td><td></td></tr> </table> | UC | 陶瓷芯 Ceramic | HC | | <table border="1"> <tr><td>1N0</td><td>1.0</td></tr> <tr><td>010</td><td>10</td></tr> <tr><td>R10</td><td>100</td></tr> <tr><td>1R0</td><td>1000</td></tr> <tr><td>100</td><td>10000</td></tr> </table> | 1N0 | 1.0 | 010 | 10 | R10 | 100 | 1R0 | 1000 | 100 | 10000 | <table border="1"> <tr><td>B</td><td>±0.1nH</td></tr> <tr><td>C</td><td>±0.2nH</td></tr> <tr><td>S</td><td>±0.3nH</td></tr> <tr><td>D</td><td>±0.5nH</td></tr> <tr><td>F</td><td>±1%</td></tr> <tr><td>G</td><td>±2%</td></tr> <tr><td>H</td><td>±3%</td></tr> <tr><td>J</td><td>±5%</td></tr> <tr><td>K</td><td>±10%</td></tr> <tr><td>M</td><td>±20%</td></tr> </table> | B | ±0.1nH | C | ±0.2nH | S | ±0.3nH | D | ±0.5nH | F | ±1% | G | ±2% | H | ±3% | J | ±5% | K | ±10% | M | ±20% | <table border="1"> <tr><td>G</td><td>GOLD</td></tr> <tr><td>S</td><td>TIN</td></tr> </table> | G | GOLD | S | TIN | <table border="1"> <tr><td>T</td><td>卷帶盤裝 Tape&Reel</td></tr> <tr><td>B</td><td>散裝Bulk</td></tr> </table> | T | 卷帶盤裝 Tape&Reel | B | 散裝Bulk |
| 0402 | 1.0×0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0603 | 1.6×0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0805 | 2.0×1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1008 | 2.5×2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1210 | 3.2×2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UC | 陶瓷芯 Ceramic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1N0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 010 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R10 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1R0 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | ±0.1nH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | ±0.2nH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | ±0.3nH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | ±0.5nH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | ±1% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | ±2% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | ±3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J | ±5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | ±10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | ±20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | GOLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | TIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T | 卷帶盤裝 Tape&Reel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 散裝Bulk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

● 外形尺寸 DIMENSIONS



繞線型片式電感器

WIRE WOUND CHIP INDUCTORS

單位(Unit): mm/inch

| Par NO. | A (Max.) | B (Max.) | C (Max.) | D | E | F | G |
|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 0402 | 1.19 (.047) | 0.66 (.026) | 0.60 (.024) | 0.23 (.009) | 0.66 (.026) | 0.36 (.014) | 0.46 (.018) |
| 0603 | 1.78 (.070) | 1.10 (.043) | 0.95 (.037) | 0.30 (.012) | 1.02 (.04) | 0.64 (.025) | 0.64 (.025) |
| 0805 | 2.30 (.091) | 1.70 (.067) | 1.52 (.060) | 0.50 (.020) | 1.78 (.07) | 1.02 (.04) | 0.76 (.03) |
| 1008 | 2.92 (.115) | 2.79 (.110) | 2.10 (.083) | 0.5 (.020) | 2.54 (.10) | 1.02 (.04) | 1.27 (.05) |
| 1210 | 3.50 (.138) | 2.90 (.114) | 2.25 (.088) | 0.50 (.020) | 2.54 (.10) | 1.02 (.04) | 1.78 (.07) |

• 電性能參數 ELECTRICAL CHARACTERISTICS

0402UC Series

| PartNumber | Inductance (nH) | Tolerance (%) | Q (min) | SRF(MHz) Min | Rdc(Ω) Max | Idc(mA) Max |
|-----------------|---------------------|-------------------|-------------|-----------------|-----------------|-----------------|
| FHW0402UC1N0□GT | 1.0@250MHZ | 10 | 13@250MHZ | 10000 | 0.045 | 1360 |
| FHW0402UC2N2□GT | 2.2@250MHZ | 10,5 | 18@250MHZ | 6000 | 0.070 | 960 |
| FHW0402UC2N7□GT | 2.7@250MHZ | 10,5 | 15@250MHZ | 6000 | 0.120 | 640 |
| FHW0402UC3N3□GT | 3.3@250MHZ | 10,5 | 20@250MHZ | 6000 | 0.066 | 840 |
| FHW0402UC3N9□GT | 3.9@250MHZ | 10,5 | 20@250MHZ | 6000 | 0.066 | 840 |
| FHW0402UC4N7□GT | 4.7@250MHZ | 10,5,2 | 18@250MHZ | 4500 | 0.200 | 640 |
| FHW0402UC5N6□GT | 5.6@250MHZ | 10,5,2 | 20@250MHZ | 4800 | 0.083 | 760 |
| FHW0402UC6N8□GT | 6.8@250MHZ | 10,5,2 | 23@250MHZ | 4800 | 0.260 | 680 |
| FHW0402UC8N2□GT | 8.2@250MHZ | 10,5,2 | 25@250MHZ | 4400 | 0.100 | 680 |
| FHW0402UC010□GT | 10@250MHZ | 10,5,2 | 25@250MHZ | 3900 | 0.200 | 480 |
| FHW0402UC012□GT | 12@250MHZ | 10,5,2 | 25@250MHZ | 3600 | 0.120 | 640 |
| FHW0402UC015□GT | 15@250MHZ | 10,5,2 | 25@250MHZ | 3280 | 0.300 | 560 |
| FHW0402UC018□GT | 18@250MHZ | 10,5,2 | 25@250MHZ | 3100 | 0.230 | 420 |
| FHW0402UC022□GT | 22@250MHZ | 10,5,2 | 25@250MHZ | 2800 | 0.300 | 400 |
| FHW0402UC027□GT | 27@250MHZ | 10,5,2 | 24@250MHZ | 2480 | 0.520 | 280 |
| FHW0402UC033□GT | 33@250MHZ | 10,5,2 | 24@250MHZ | 2350 | 0.650 | 350 |
| FHW0402UC039□GT | 39@250MHZ | 10,5,2 | 25@250MHZ | 2100 | 0.750 | 200 |
| FHW0402UC047□GT | 47@250MHZ | 10,5,2 | 25@250MHZ | 2100 | 0.83 | 150 |
| FHW0402UC056□GT | 56@250MHZ | 10,5,2 | 25@250MHZ | 1760 | 0.97 | 100 |
| FHW0402UC068□GT | 68@250MHZ | 10,5,2 | 25@250MHZ | 1620 | 1.12 | 100 |
| FHW0402UC082□GT | 82@250MHZ | 10,5,2 | 25@250MHZ | 1260 | 1.70 | 50 |
| FHW0402UCR10□GT | 100@250MHZ | 10,5,2 | 25@250MHZ | 1160 | 2.00 | 30 |
| FHW0402UCR12□GT | 120@250MHZ | 10,5,2 | 25@250MHZ | 1100 | 2.20 | 30 |

0603UC Series

| PartNumber | Inductance (nH) | Tolerance (%) | Q (min) | SRF(MHz) Min | Rdc(Ω) Max | Idc(mA) Max |
|-----------------|---------------------|-------------------|-------------|-----------------|-----------------|-----------------|
| FHW0603UC1N6□GT | 1.6@250MHZ | 10 | 18@250MHZ | 12500 | 0.040 | 700 |
| FHW0603UC1N8□GT | 1.8@250MHZ | 10 | 16@250MHZ | 12500 | 0.045 | 700 |
| FHW0603UC2N2□GT | 2.2@250MHZ | 10 | 12@250MHZ | 10000 | 0.090 | 700 |
| FHW0603UC3N3□GT | 3.3@250MHZ | 10 | 20@250MHZ | 5900 | 0.075 | 700 |
| FHW0603UC3N6□GT | 3.6@250MHZ | 10,5 | 22@250MHZ | 5900 | 0.075 | 700 |
| FHW0603UC3N9□GT | 3.9@250MHZ | 10,5 | 22@250MHZ | 6900 | 0.080 | 700 |
| FHW0603UC4N3□GT | 4.3@250MHZ | 10,5 | 22@250MHZ | 5900 | 0.075 | 700 |
| FHW0603UC4N7□GT | 4.7@250MHZ | 10,5 | 20@250MHZ | 5800 | 0.116 | 700 |
| FHW0603UC5N1□GT | 5.1@250MHZ | 10,5 | 20@250MHZ | 5700 | 0.120 | 700 |
| FHW0603UC5N6□GT | 5.6@250MHZ | 10 | 18@250MHZ | 5700 | 0.200 | 700 |
| FHW0603UC6N8□GT | 6.8@250MHZ | 10,5 | 27@250MHZ | 5800 | 0.110 | 700 |
| FHW0603UC7N5□GT | 7.5@250MHZ | 10,5 | 28@250MHZ | 4800 | 0.110 | 700 |

| PartNumber | Inductance (nH) | Tolerance (%) | Q (min) | SRF(MHz) Min | Rdc(Ω) Max | Idc(mA) Max |
|-----------------|------------------|----------------|-----------|--------------|--------------|--------------|
| FHW0603UC8N2□GT | 8.2@250MHZ | 10,5 | 28@250MHZ | 4700 | 0.120 | 700 |
| FHW0603UC9N5□GT | 9.5@250MHZ | 10,5 | 26@250MHZ | 5400 | 0.150 | 700 |
| FHW0603UC010□GT | 10@250MHZ | 10,5,2 | 31@250MHZ | 4800 | 0.130 | 700 |
| FHW0603UC012□GT | 12@250MHZ | 10,5,2 | 35@250MHZ | 4000 | 0.130 | 700 |
| FHW0603UC015□GT | 15@250MHZ | 10,5,2 | 30@250MHZ | 4000 | 0.150 | 700 |
| FHW0603UC018□GT | 18@250MHZ | 10,5,2 | 35@250MHZ | 3100 | 0.170 | 700 |
| FHW0603UC022□GT | 22@250MHZ | 10,5,2 | 38@250MHZ | 3000 | 0.190 | 700 |
| FHW0603UC027□GT | 27@250MHZ | 10,5,2 | 36@250MHZ | 2800 | 0.220 | 600 |
| FHW0603UC033□GT | 33@250MHZ | 10,5,2 | 36@250MHZ | 2300 | 0.220 | 600 |
| FHW0603UC036□GT | 36@250MHZ | 10,5,2 | 36@250MHZ | 2080 | 0.250 | 600 |
| FHW0603UC039□GT | 39@250MHZ | 10,5,2 | 40@250MHZ | 2200 | 0.250 | 600 |
| FHW0603UC043□GT | 43@250MHZ | 10,5,2 | 36@250MHZ | 2000 | 0.280 | 600 |
| FHW0603UC047□GT | 47@200MHz | 10,5,2 | 36@200MHz | 2000 | 0.280 | 600 |
| FHW0603UC056□GT | 56@200MHz | 10,5,2 | 38@200MHz | 1900 | 0.280 | 600 |
| FHW0603UC068□GT | 68@200MHz | 10,5,2 | 36@200MHz | 1700 | 0.340 | 600 |
| FHW0603UC075□GT | 75@150MHz | 10,5,2 | 30@150MHz | 1400 | 0.600 | 400 |
| FHW0603UC082□GT | 82@150MHz | 10,5,2 | 34@150MHz | 1700 | 0.550 | 400 |
| FHW0603UCR10□GT | 100@150MHz | 10,5,2 | 30@150MHz | 1400 | 0.630 | 400 |
| FHW0603UCR12□GT | 120@150MHz | 10,5,2 | 32@150MHz | 1300 | 0.730 | 300 |
| FHW0603UCR15□GT | 150@150MHz | 10,5,2 | 28@150MHz | 990 | 0.800 | 280 |
| FHW0603UCR18□GT | 180@100MHz | 10,5,2 | 25@100MHz | 990 | 1.450 | 240 |
| FHW0603UCR20□GT | 200@100MHz | 10,5 | 25@100MHz | 900 | 1.550 | 200 |
| FHW0603UCR22□GT | 220@100MHz | 10,5 | 25@100MHz | 900 | 2.100 | 200 |
| FHW0603UCR27□GT | 270@100MHz | 10,5 | 24@100MHz | 900 | 2.300 | 170 |
| FHW0603UCR33□GT | 330@100MHz | 10,5 | 25@100MHz | 900 | 3.890 | 100 |
| FHW0603UCR39□GT | 390@100MHz | 10,5 | 25@100MHz | 800 | 4.350 | 100 |

0805UC Series

| PartNumber | Inductance (nH) | Tolerance (%) | Q (min) | SRF(MHz) Min | Rdc(Ω) Max | Idc(mA) Max |
|-----------------|------------------|----------------|------------|--------------|--------------|--------------|
| FHW0805UC2N2□GT | 2.2@250MHz | 10 | 50@1500MHz | 8500 | 0.030 | 800 |
| FHW0805UC2N7□GT | 2.7@250MHz | 10,5 | 50@1500MHz | 8000 | 0.045 | 800 |
| FHW0805UC3N3□GT | 3.3@250MHz | 10 | 35@1500MHz | 7900 | 0.090 | 600 |
| FHW0805UC4N7□GT | 4.7@250MHz | 10 | 40@1000MHz | 6000 | 0.050 | 600 |
| FHW0805UC5N6□GT | 5.6@250MHz | 10,5 | 50@1000MHz | 5500 | 0.065 | 600 |
| FHW0805UC6N8□GT | 6.8@250MHz | 10,5 | 50@1000MHz | 5500 | 0.110 | 600 |
| FHW0805UC8N2□GT | 8.2@250MHz | 10,5 | 35@1000MHz | 4700 | 0.200 | 600 |
| FHW0805UC010□GT | 10@250MHz | 10,5,2 | 50@500MHz | 4200 | 0.150 | 600 |
| FHW0805UC012□GT | 12@250MHz | 10,5,2 | 50@500MHz | 4000 | 0.150 | 600 |
| FHW0805UC015□GT | 15@250MHz | 10,5,2 | 45@500MHz | 3400 | 0.170 | 600 |
| FHW0805UC018□GT | 18@250MHz | 10,5,2 | 55@500MHz | 3300 | 0.200 | 600 |
| FHW0805UC022□GT | 22@250MHz | 10,5,2 | 55@500MHz | 2600 | 0.220 | 500 |
| FHW0805UC027□GT | 27@250MHz | 10,5,2 | 55@500MHz | 2500 | 0.250 | 500 |
| FHW0805UC033□GT | 33@250MHz | 10,5,2 | 55@500MHz | 2050 | 0.270 | 500 |
| FHW0805UC039□GT | 39@250MHz | 10,5,2 | 55@500MHz | 2000 | 0.290 | 500 |
| FHW0805UC047□GT | 47@200MHz | 10,5,2 | 55@500MHz | 1650 | 0.310 | 500 |
| FHW0805UC056□GT | 56@200MHz | 10,5,2 | 55@500MHz | 1550 | 0.340 | 500 |
| FHW0805UC068□GT | 68@200MHz | 10,5,2 | 55@500MHz | 1450 | 0.380 | 500 |
| FHW0805UC075□GT | 75@200MHz | 10,5,2 | 55@500MHz | 1400 | 0.400 | 400 |
| FHW0805UC082□GT | 82@150MHz | 10,5,2 | 55@500MHz | 1300 | 0.420 | 400 |
| FHW0805UCR10□GT | 100@150MHz | 10,5,2 | 50@500MHz | 1200 | 0.460 | 400 |
| FHW0805UCR12□GT | 120@150MHz | 10,5,2 | 45@250MHz | 1100 | 0.510 | 400 |
| FHW0805UCR15□GT | 150@100MHz | 10,5,2 | 45@250MHz | 920 | 0.560 | 400 |
| FHW0805UCR18□GT | 180@100MHz | 10,5,2 | 45@250MHz | 870 | 0.640 | 400 |
| FHW0805UCR22□GT | 220@100MHz | 10,5,2 | 40@250MHz | 850 | 1.050 | 400 |
| FHW0805UCR27□GT | 270@100MHz | 10,5,2 | 40@250MHz | 650 | 1.100 | 350 |

繞線型片式電感器

WIRE WOUND CHIP INDUCTORS

| PartNumber | Inductance (nH) | Tolerance (%) | Q (min) | SRF(MHz) Min | Rdc(Ω) Max | Idc(mA) (Max) |
|-----------------|-----------------|---------------|-----------|--------------|------------|---------------|
| FHW0805UCR33□GT | 330@100MHz | 10,5 | 40@250MHz | 600 | 1.400 | 310 |
| FHW0805UCR39□GT | 390@100MHz | 10,5 | 40@250MHz | 560 | 1.500 | 290 |
| FHW0805UCR47□GT | 470@50MHz | 10,5 | 33@100MHz | 375 | 2.000 | 250 |
| FHW0805UCR56□GT | 560@25MHz | 10,5 | 23@50MHz | 340 | 1.900 | 230 |
| FHW0805UCR68□GT | 680@25MHz | 10,5 | 23@50MHz | 300 | 2.100 | 190 |
| FHW0805UCR75□GT | 750@25MHz | 10,5 | 23@50MHz | 280 | 2.120 | 180 |
| FHW0805UCR82□GT | 820@25MHz | 10,5 | 23@50MHz | 250 | 2.140 | 180 |
| FHW0805UCR91□GT | 910@25MHz | 10,5 | 20@50MHz | 220 | 2.280 | 180 |
| FHW0805UC1R0□GT | 1000@25MHz | 10,5 | 20@50MHz | 200 | 2.400 | 170 |
| FHW0805UC1R2□GT | 1200@7.9MHz | 10,5 | 18@50MHz | 180 | 2.550 | 170 |
| FHW0805UC1R5□GT | 1500@7.9MHz | 10,5 | 18@50MHz | 170 | 2.800 | 160 |
| FHW0805UC1R8□GT | 1800@7.9MHz | 10,5 | 18@50MHz | 140 | 3.800 | 150 |
| FHW0805UC2R2□GT | 2200@7.9MHz | 10,5 | 16@7.9MHz | 50 | 4.200 | 150 |

1008UC Series

| PartNumber | Inductance (nH) | Tolerance (%) | Q (min) | SRF(MHz) Min | Rdc(Ω) Max | Idc(mA) Max |
|-----------------|-----------------|---------------|------------|--------------|------------|-------------|
| FHW1008UC3N9□GT | 3.9@50MHz | 10,5 | 50@1500MHz | 6000 | 0.035 | 1000 |
| FHW1008UC4N7□GT | 4.7@50MHz | 10,5 | 50@1500MHz | 6000 | 0.045 | 1000 |
| FHW1008UC5N6□GT | 5.6@50MHz | 10,5 | 30@1000MHz | 6000 | 0.180 | 1000 |
| FHW1008UC8N2□GT | 8.2@50MHz | 10,5 | 50@1000MHz | 5000 | 0.050 | 1000 |
| FHW1008UC010□GT | 10@50MHz | 10,5,2 | 50@500MHz | 4100 | 0.080 | 1000 |
| FHW1008UC012□GT | 12@50MHz | 10,5,2 | 50@500MHz | 3300 | 0.090 | 1000 |
| FHW1008UC015□GT | 15@50MHz | 10,5,2 | 45@500MHz | 2500 | 0.150 | 1000 |
| FHW1008UC018□GT | 18@50MHz | 10,5,2 | 50@350MHz | 2500 | 0.110 | 1000 |
| FHW1008UC022□GT | 22@50MHz | 10,5,2 | 55@350MHz | 2400 | 0.120 | 1000 |
| FHW1008UC027□GT | 27@50MHz | 10,5,2 | 55@350MHz | 1600 | 0.130 | 1000 |
| FHW1008UC033□GT | 33@50MHz | 10,5,2 | 60@350MHz | 1600 | 0.140 | 1000 |
| FHW1008UC039□GT | 39@50MHz | 10,5,2 | 60@350MHz | 1500 | 0.150 | 1000 |
| FHW1008UC047□GT | 47@50MHz | 10,5,2 | 65@350MHz | 1500 | 0.160 | 1000 |
| FHW1008UC056□GT | 56@50MHz | 10,5,2 | 65@350MHz | 1100 | 0.180 | 1000 |
| FHW1008UC068□GT | 68@50MHz | 10,5,2 | 65@350MHz | 1000 | 0.200 | 1000 |
| FHW1008UC082□GT | 82@50MHz | 10,5,2 | 60@350MHz | 1000 | 0.220 | 1000 |
| FHW1008UCR10□GT | 100@25MHz | 10,5,2 | 60@350MHz | 1000 | 0.560 | 650 |
| FHW1008UCR12□GT | 120@25MHz | 10,5,2 | 60@350MHz | 950 | 0.630 | 650 |
| FHW1008UCR15□GT | 150@25MHz | 10,5,2 | 45@100MHz | 800 | 0.700 | 580 |
| FHW1008UCR18□GT | 180@25MHz | 10,5,2 | 45@100MHz | 640 | 0.770 | 620 |
| FHW1008UCR22□GT | 220@25MHz | 10,5,2 | 45@100MHz | 620 | 0.840 | 500 |
| FHW1008UCR27□GT | 270@25MHz | 10,5,2 | 45@100MHz | 600 | 0.910 | 500 |
| FHW1008UCR33□GT | 330@25MHz | 10,5,2 | 45@100MHz | 500 | 1.050 | 450 |
| FHW1008UCR39□GT | 390@25MHz | 10,5,2 | 45@100MHz | 480 | 1.120 | 470 |
| FHW1008UCR47□GT | 470@25MHz | 10,5,2 | 45@100MHz | 450 | 1.190 | 470 |
| FHW1008UCR56□GT | 560@25MHz | 10,5,2 | 45@100MHz | 415 | 1.330 | 400 |
| FHW1008UCR68□GT | 680@25MHz | 10,5,2 | 45@100MHz | 375 | 1.470 | 400 |
| FHW1008UCR82□GT | 820@25MHz | 10,5 | 45@100MHz | 250 | 1.610 | 400 |
| FHW1008UC1R0□GT | 1000@25MHz | 10,5 | 35@50MHz | 210 | 1.750 | 370 |
| FHW1008UC1R2□GT | 1200@7.9MHz | 10,5 | 35@50MHz | 200 | 2.000 | 310 |
| FHW1008UC1R5□GT | 1500@7.9MHz | 10,5 | 28@50MHz | 180 | 2.300 | 330 |
| FHW1008UC1R8□GT | 1800@7.9MHz | 10,5 | 28@50MHz | 160 | 2.600 | 300 |
| FHW1008UC2R2□GT | 2200@7.9MHz | 10,5 | 20@50MHz | 90 | 2.800 | 280 |
| FHW1008UC2R7□GT | 2700@7.9MHz | 10,5 | 22@25MHz | 80 | 3.200 | 290 |
| FHW1008UC3R3□GT | 3300@7.9MHz | 10,5 | 22@25MHz | 70 | 3.400 | 290 |
| FHW1008UC3R9□GT | 3900@7.9MHz | 10,5 | 16@25MHz | 60 | 3.600 | 260 |
| FHW1008UC4R7□GT | 4700@7.9MHz | 10,5 | 18@25MHz | 60 | 4.000 | 260 |
| FHW1008UC5R6□GT | 5600@7.9MHz | 10,5 | 18@7.9MHz | 55 | 7.600 | 240 |
| FHW1008UC6R8□GT | 6800@7.9MHz | 10,5 | 18@7.9MHz | 50 | 8.200 | 200 |
| FHW1008UC8R2□GT | 8200@7.9MHz | 10,5 | 18@7.9MHz | 40 | 8.200 | 170 |
| FHW1008UC100□GT | 10000@7.9MHz | 10,5 | 20@7.9MHz | 40 | 9.100 | 160 |

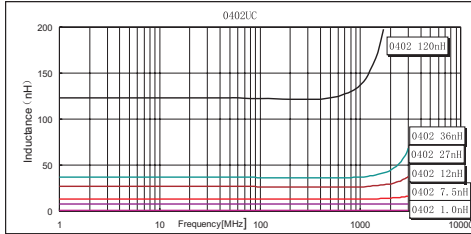
1210HC Series

| PartNumber | Inductance (nH) | Tolerance (%) | Q (min) | SRF(MHz) Min | Rdc(Ω) Max | Idc(mA) Max |
|-----------------|-----------------|---------------|-----------|--------------|--------------|--------------|
| FHW1210HC3N9□GT | 3.9@100MHz | 10 | 30@300MHz | 6000 | 0.050 | 1000 |
| FHW1210HC4N7□GT | 4.7@100MHz | 10,5 | 30@300MHz | 5800 | 0.065 | 1000 |
| FHW1210HC8N2□GT | 8.2@100MHz | 10 | 30@300MHz | 5500 | 0.070 | 1000 |
| FHW1210HC010□GT | 10@100MHz | 10,5,2 | 40@300MHz | 4000 | 0.080 | 1000 |
| FHW1210HC012□GT | 12@100MHz | 10,5 | 40@300MHz | 3200 | 0.080 | 1000 |
| FHW1210HC015□GT | 15@100MHz | 10,5 | 40@300MHz | 3200 | 0.100 | 1000 |
| FHW1210HC018□GT | 18@100MHz | 10,5,2 | 50@300MHz | 2800 | 0.100 | 1000 |
| FHW1210HC022□GT | 22@100MHz | 10,5 | 50@300MHz | 2000 | 0.100 | 1000 |
| FHW1210HC027□GT | 27@100MHz | 10,5,2 | 50@300MHz | 1800 | 0.110 | 1000 |
| FHW1210HC033□GT | 33@100MHz | 10,5,2 | 55@300MHz | 1800 | 0.110 | 1000 |
| FHW1210HC039□GT | 39@100MHz | 10,5,2 | 55@300MHz | 1800 | 0.120 | 1000 |
| FHW1210HC047□GT | 47@100MHz | 10,5,2 | 55@300MHz | 1500 | 0.130 | 1000 |
| FHW1210HC056□GT | 56@100MHz | 10,5,2 | 55@300MHz | 1450 | 0.140 | 1000 |
| FHW1210HC068□GT | 68@100MHz | 10,5,2 | 55@300MHz | 1200 | 0.150 | 900 |
| FHW1210HC082□GT | 82@100MHz | 10,5,2 | 55@300MHz | 1000 | 0.200 | 900 |
| FHW1210HCR10□GT | 100@100MHz | 10,5,2 | 55@300MHz | 900 | 0.210 | 850 |
| FHW1210HCR12□GT | 120@100MHz | 10,5,2 | 60@300MHz | 800 | 0.210 | 800 |
| FHW1210HCR15□GT | 150@100MHz | 10,5,2 | 60@300MHz | 780 | 0.250 | 750 |
| FHW1210HCR18□GT | 180@50MHz | 10,5,2 | 60@300MHz | 760 | 0.300 | 700 |
| FHW1210HCR22□GT | 220@50MHz | 10,5,2 | 60@300MHz | 650 | 0.320 | 670 |
| FHW1210HCR27□GT | 270@50MHz | 10,5,2 | 55@300MHz | 620 | 0.340 | 630 |
| FHW1210HCR33□GT | 330@50MHz | 10,5,2 | 45@150MHz | 600 | 0.380 | 590 |
| FHW1210HCR39□GT | 390@50MHz | 10,5,2 | 45@150MHz | 510 | 0.580 | 530 |
| FHW1210HCR47□GT | 470@50MHz | 10,5,2 | 45@150MHz | 500 | 0.800 | 490 |
| FHW1210HCR56□GT | 560@35MHz | 10,5 | 45@150MHz | 420 | 1.100 | 460 |
| FHW1210HCR68□GT | 680@35MHz | 10,5,2 | 45@150MHz | 400 | 1.200 | 430 |
| FHW1210HCR75□GT | 750@35MHz | 10,5,2 | 45@150MHz | 380 | 1.70 | 400 |
| FHW1210HCR82□GT | 820@35MHz | 10,5,2 | 45@150MHz | 370 | 1.820 | 400 |
| FHW1210HC1R0□GT | 1000@35MHz | 10,5,2 | 45@150MHz | 340 | 1.850 | 320 |
| FHW1210HC1R2□GT | 1200@35MHz | 10,5 | 35@150MHz | 220 | 1.870 | 300 |
| FHW1210HC1R5□GT | 1500@7.9MHz | 10,5 | 30@50MHz | 160 | 1.950 | 310 |
| FHW1210HC1R8□GT | 1800@7.9MHz | 10,5 | 30@50MHz | 160 | 2.250 | 310 |
| FHW1210HC2R2□GT | 2200@7.9MHz | 10,5 | 30@50MHz | 110 | 2.410 | 310 |
| FHW1210HC2R7□GT | 2700@7.9MHz | 10,5 | 25@25MHz | 100 | 2.850 | 300 |
| FHW1210HC3R3□GT | 3300@7.9MHz | 10,5 | 20@25MHz | 85 | 3.120 | 300 |
| FHW1210HC3R9□GT | 3900@7.9MHz | 10,5 | 20@25MHz | 80 | 3.600 | 290 |
| FHW1210HC4R7□GT | 4700@7.9MHz | 10,5 | 16@25MHz | 60 | 4.000 | 280 |
| FHW1210HC5R6□GT | 5600@7.9MHz | 10,5 | 20@7.9MHz | 60 | 5.000 | 250 |
| FHW1210HC6R8□GT | 6800@7.9MHz | 10,5 | 20@7.9MHz | 55 | 8.000 | 230 |
| FHW1210HC8R2□GT | 8200@7.9MHz | 10,5 | 20@7.9MHz | 50 | 8.600 | 170 |
| FHW1210HC100□GT | 10000@7.9MHz | 10,5 | 22@7.9MHz | 20 | 6.800 | 200 |

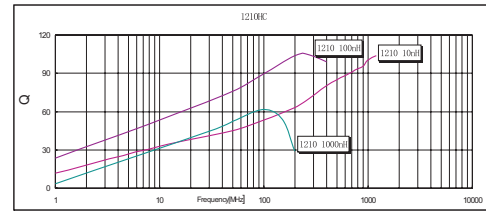
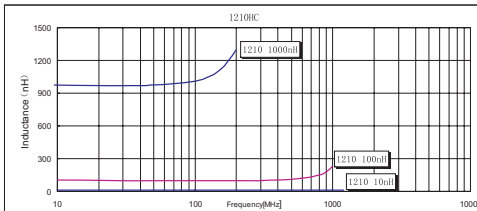
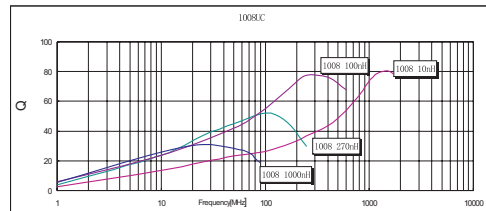
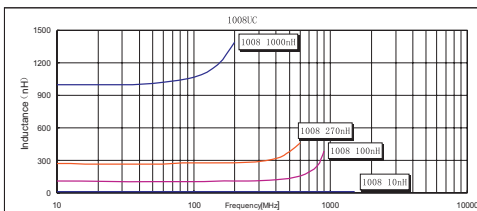
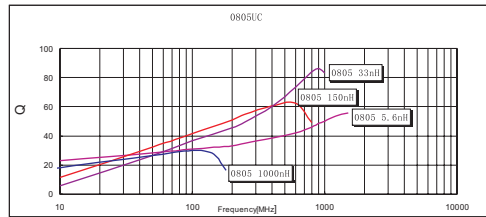
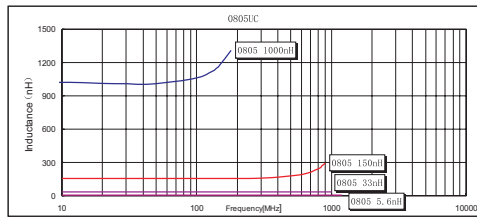
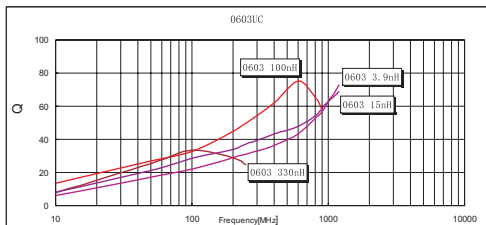
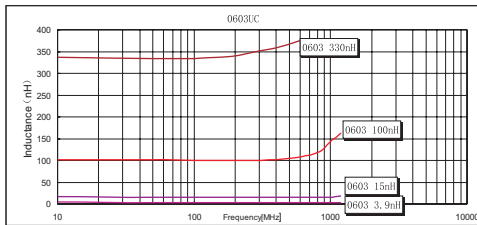
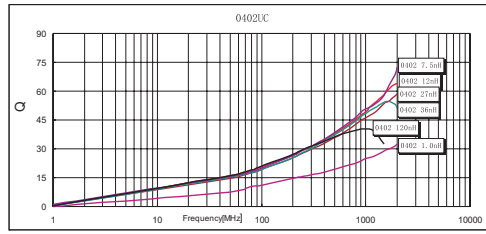
特性曲綫
CHARACTERISTIC CURVE

頻率特性
FREQUENCY CHARACTERISTIC

Ls VS FREQ.



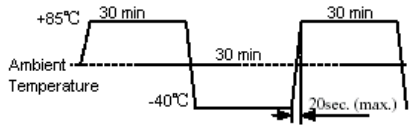
Q VS FREQ.



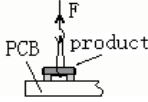
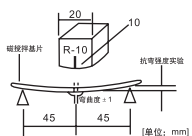
電性能測試 Electrical Specification Test

| 序號 NO. | 項目 Item | 詳細說明Specified value | 試驗方法Test methods |
|-----------|----------------------------------|------------------------------------|--|
| | | 0402UC、0603UC、0805UC、1008UC、1210HC | |
| 1 | 工作溫度 Operating Temp. Range | -40℃~+125℃ | |
| 2 | 儲存溫度 Storage Temp. Range | -10℃~+40℃ | |
| 3 | 額定電流 Rated Current | 150~1360mA(Max) | 測試設備：CH102+1320 or HP4284A+HP42841A Test Equipment: CH102+1320 or HP4284A+HP42841A |
| 4 | 電感量 Inductance | 1.0~10000nH | 測試頻率：7.9~250MHz Test Frequency : 7.9~250MHz 測試設備：HP4286A or HP4287A +16193A or 16197A Test Equipment: HP4286A or HP4287A+16193A or 16197A |
| 5 | 品質因數 Q | 13~65(min) | 測試頻率：7.9~250MHz Test Frequency : 7.9~250MHz 測試設備：HP4286A or HP4287A +16193A or 16197A Test Equipment: HP4286A or HP4287A+16193A or 16197A |
| 6 | 直流電阻 Rdc | 0.03~9.1Ω(Max) | 測試設備：HP4263B or HP4286A Test Equipment: HP4263B or HP4286A |
| 7 | 自諧頻率 SRF | 20~12500MHz(Min) | 測試設備：HP8720D Test Equipment: HP8720D |

■ 可靠性測試 Reliability Test

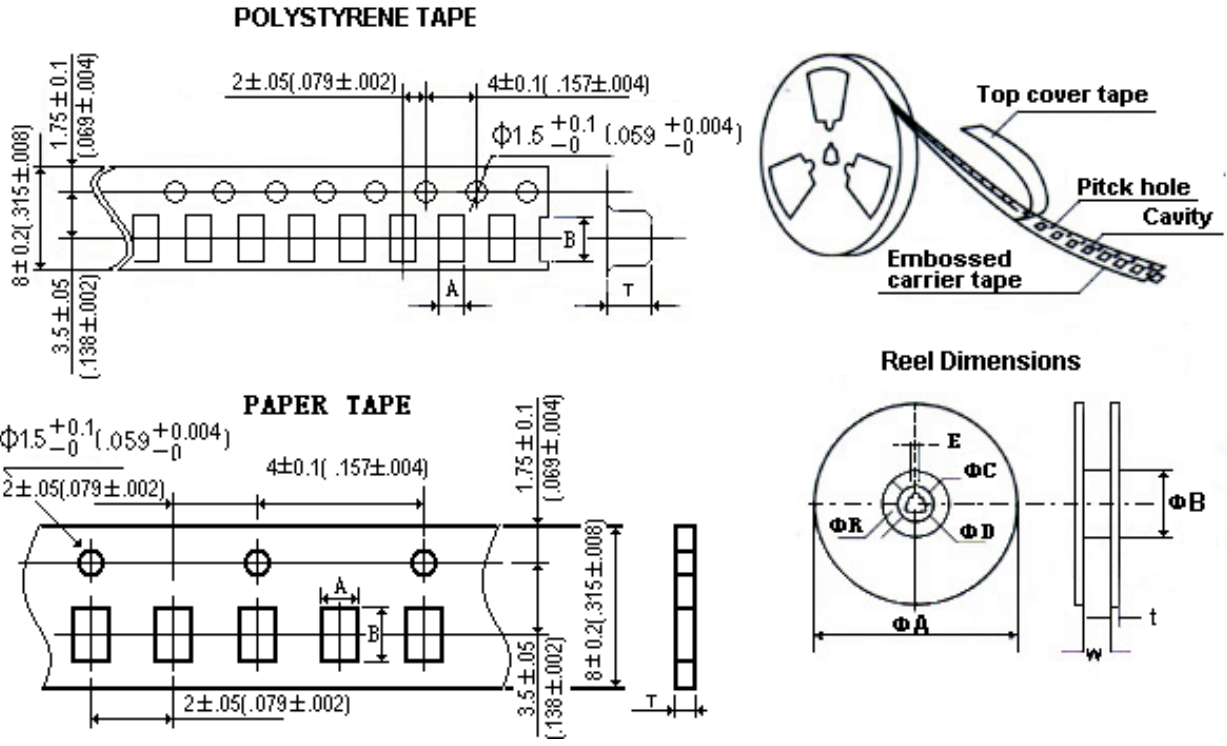
| 序號 NO. | 項目 Item | 詳細說明Specified value | 試驗方法Test methods |
|-----------|----------------------------------|---|--|
| | | 0402UC、0603UC、0805UC、1008UC、1210HC | |
| 1 | 可焊性 Solderability | 外觀不發生變化; There shall be no case deformation or change in appearance; 至少90%端電極表面被焊錫覆蓋。 At least 90% of terminal electrode is covered by new solder | 焊接溫度: : 245±5°C Solder temp.: 245±5°C 浸入時間: 5±1秒 Duration:5±1S |
| 2 | 耐焊性 Resistance to soldering | 外觀不發生變化; There shall be no case deformation or change in appearance; 感量變化不超過±5%; Inductance shall not change more than ±5%; Q值變化不超過±10%。 Q shall not change more than±10%. | 焊接溫度: : 260±5°C Solder temp.: 260±5°C 浸入時間: 10±1秒 Duration:10±1S |
| 3 | 溫度循環 Thermal shock | | 溫度: -40°C, 60±2分鐘 +85°C, 60±2分鐘 emperature:-40°C for 60±2min +85°C for 60±2min 循環次數: 10 Number of cycles:10  |
| 4 | 高溫 High Temperature storage | | 溫度: +85°C±2°C Temperature:+85°C±2°C 時間: 96±2小時 Time: 96±2h |
| 5 | 低溫 Low Temperature storage | 溫度: -55°C±2°C Temperature:-55°C±2°C 時間: 96±2小時 Time: 96±2h | |
| 6 | 恒定濕熱 Damp heat (steady state) | 外觀不發生變化; There shall be no case deformation or change in appearance; 感量變化不超過±5%; Inductance shall not change more than ±5%; Q值變化不超過±10%。 Q shall not change more than±10%. | 濕度: 90~95% RH Humidity:90 to 95% RH 溫度: 50±2°C Temperature:50±2°C 測試時間: 100±2小時 Duration: 100±2h |
| 7 | 振動 Vibration | | 頻率: 10~55~10Hz Frequency: 10 to 55 to 10Hz 振幅: 1.5mm Amplitude:1.5mm X、Y、Z方向的時間: 每方向1小時45分鐘 Directions:1 hours 45minutes each in X,Y,Z direction. |

■ 可靠性測試 Reliability Test

| 序號 NO. | 項目 Item | 詳細說明Specified value | 試驗方法Test methods |
|-----------|--|--|---|
| | | 0402UC、0603UC、0805UC、1008UC、1210HC | |
| 8 | 端電極強度 Terminal Strength (Pull of Test) | 0402UC: $\geq 0.45\text{Kg}$; 0603UC: $\geq 1.3\text{Kg}$; 0805UC、1008UC、1210HC: $\geq 2\text{Kg}$. |  |
| 9 | 跌落 Drop | 外觀不發生變化; There shall be no case deformation or change in appearance; 感量變化不超過 $\pm 5\%$; Inductance shall not change more than $\pm 5\%$; Q值變化不超過 $\pm 10\%$ 。 Q shall not change more than $\pm 10\%$. | 從高度為1米的空中自由落到混凝土地板重復10次。 Dropped 10 times on a concrete floor from a height of 1m. |
| 10 | 抗彎強度 Flextrue strength | 外觀不發生變化; There shall be no case deformation or change in appearance; 感量變化不超過 $\pm 5\%$; Inductance shall not change more than $\pm 5\%$; Q值變化不超過 $\pm 10\%$ 。 Q shall not change more than $\pm 10\%$. | Flexure:20mm Test board:Glass -Epoxy board Thickness:0.8mm  |
| 11 | 過載 Over Loading | 外觀不發生變化; Appearance:No Damage ; 電感無開路。 Inductors shall not have a open winding. | 施加2倍額定電流，電流誤差為 $\pm 2\%$ ，保持5分鐘。 Provide 2 times the rated current of direct current between inductor terminals, Direct current error 5%, and for 5 minutes. |
| 12 | 壽命 Life | 外觀不發生變化; There shall be no case deformation or change in appearance; 感量變化不超過 $\pm 5\%$; Inductance shall not change more than $\pm 5\%$; Q值變化不超過 $\pm 10\%$ 。 Q shall not change more than $\pm 10\%$. | 溫度: $85\pm 2^\circ\text{C}$ Temperature: $85\pm 2^\circ\text{C}$ 測試時間: 1000小時 Duration: 1000h 施加額定電流 Applied current: Rated current. |

■ 包裝 Packaging Style

● 載帶 Tape



Unit(mm)

| 型號Type | | A | B | T |
|------------------------|------|------|------|------|
| 紙帶 Paper Tape | 0402 | 0.74 | 1.23 | 0.60 |
| | 0603 | 1.18 | 1.85 | 0.95 |
| 膠帶 Polystyrene tape | 0805 | 1.85 | 2.45 | 1.50 |
| | 1008 | 2.73 | 2.90 | 2.34 |
| | 1210 | 2.96 | 3.60 | 2.40 |

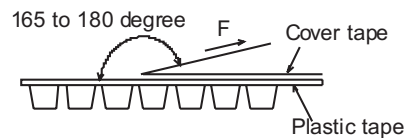
Unit(mm)

| 型號 Type | ΦA | ΦB | ΦC | ΦD | E | W | t | R |
|--------------|-----|----|----|----|---|----|---|---|
| 0402 1210 | 178 | 60 | 13 | 21 | 2 | 10 | 2 | 1 |

● 剝離力Peeling off force

要求Pull strength
0402~1210 : 20g ~80g

蓋帶剝離速度Speed of peeling off:
300mm/min ± 10%



● 包裝數量
Packaging Quantity

| 規格Dimension | 0402 | 0603 | 0805 | 1008 | 1210 |
|--------------------|-------|-------|-------|-------|-------|
| 每卷數量Per Reel (pcs) | 5000 | 4000 | 3000 | 2000 | 2000 |
| 每盒數量Per Box (pcs) | 25000 | 20000 | 15000 | 10000 | 10000 |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Fixed Inductors](#) category:

Click to view products by [Fenghua Advanced](#) manufacturer:

Other Similar products are found below :

[MLZ1608M6R8WTD25](#) [MLZ1608N6R8LT000](#) [MLZ1608N3R3LTD25](#) [MLZ1608N3R3LT000](#) [MLZ1608N150LT000](#)

[MLZ1608M150WTD25](#) [MLZ1608M3R3WTD25](#) [MLZ1608M3R3WT000](#) [MLZ1608M150WT000](#) [MLZ1608A1R5WT000](#)

[MLZ1608N1R5LT000](#) [B82432C1333K000](#) [PCMB053T-1R0MS](#) [PCMB053T-1R5MS](#) [PCMB104T-1R5MS](#) [CR32NP-100KC](#) [CR32NP-](#)

[151KC](#) [CR32NP-180KC](#) [CR32NP-181KC](#) [CR32NP-1R5MC](#) [CR32NP-390KC](#) [CR32NP-3R9MC](#) [CR32NP-680KC](#) [CR32NP-820KC](#)

[CR32NP-8R2MC](#) [CR43NP-390KC](#) [CR43NP-560KC](#) [CR43NP-680KC](#) [CR54NP-181KC](#) [CR54NP-470LC](#) [CR54NP-820KC](#) [CR54NP-8R5MC](#)

[MGDQ4-00004-P](#) [MGDU1-00016-P](#) [MHL1ECTTP18NJ](#) [MHL1JCTTD12NJ](#) [PE-51506NL](#) [PE-53601NL](#) [PE-53630NL](#) [PE-53824SNLT](#) [PE-](#)

[62892NL](#) [PE-92100NL](#) [PG0434.801NLT](#) [PG0936.113NLT](#) [PM06-2N7](#) [PM06-39NJ](#) [HC2LP-R47-R](#) [HC2-R47-R](#) [HC3-2R2-R](#) [HC8-1R2-R](#)