

## CHIP FERRITE WIRE WOUND INDUCTORS 片式铁氧体绕线电感

## CWI 系列

## FEATURES

- High resistance to heat and humidity.
- Leaching resistant terminations due to metal tab.
- High inductance with ferrite material.
- Coil encapsulated in heat-proof resin make high accurate dimensions and resistance to mechanical shock or pressure.
- Low DC resistance and high current ideal for power supply lines.

## APPLICATIONS

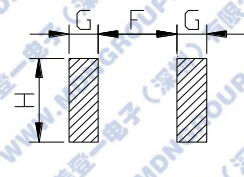
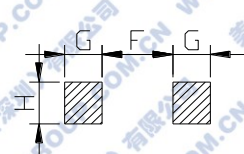
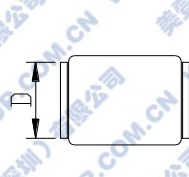
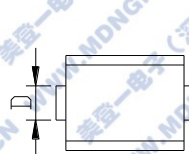
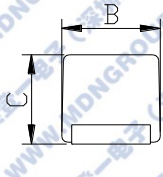
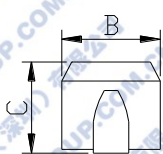
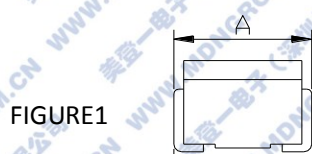
- Suitable for microtelevision, LCD display, Note book, video camera, car stereos, OA equipments, mobile phone, MP3, MP4, PDA, television tuners, DC, Portable media player, etc.

## ORDERING CODE

CWI 2520F - 100 J T

└ Packing style(T:taping; B: bulk)  
 └ Tol.(J:±5%;K:±10%;M:±20%)  
 └ Inductance value(uH)  
 └ Specification and material code  
 └ Type

## DIMENSIONS AND LAND PATTERNS(mm)



| TYPE    | A        | B        | C        | D         | E   | F   | G   | H   | FIG |
|---------|----------|----------|----------|-----------|-----|-----|-----|-----|-----|
| CWI2520 | 2.5±0.20 | 2.0±0.20 | 1.8±0.20 | 1.0±0.10  | 0.5 | 1.5 | 1.0 | 1.2 | 1   |
|         |          |          |          | 1.4±0.10  |     |     |     | 1.6 | 2   |
| CWI3225 | 3.2±0.20 | 2.5±0.20 | 2.2±0.20 | 1.4±0.10  | 0.8 | 2.0 | 1.0 | 1.6 | 1   |
|         |          |          |          | 1.9±0.10  |     |     |     | 2.2 | 2   |
| CWI4532 | 4.5±0.20 | 3.2±0.20 | 3.2±0.20 | 1.75±0.10 | 1.0 | 3.0 | 1.5 | 2.0 | 1   |
|         |          |          |          | 2.4±0.10  |     |     |     | 2.8 | 2   |

## 特 征

- 对热及湿度有良好的抵抗力;
- 金属片电极具抗蚀性;
- 高电感量, 铁氧体磁芯;
- 线圈封装在抗热之树脂内, 具精确之尺寸及对良好的抗机械冲击或抗压性能;
- 低直流电阻, 高额定电流, 适用于电源线路。

## 用 途

- 适用于微型电视、液晶显示器、笔记本电脑、摄影机、汽车音响、电脑主机板、办公自动化设备、移动电话、MP3、MP4、PDA、电视调谐器、数码相机, 便携式多媒体播放器等。

## SHAPE





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| PART NO.      | L<br>uH | Q(min) | TEST FREQ.<br>MHz | SRF(min)<br>MHz | DCR(max)<br>Ω | Idc(max)<br>mA |
|---------------|---------|--------|-------------------|-----------------|---------------|----------------|
| CWI2520F-R12K | 0.12    | 30     | 25.2              | 600             | 0.37          | 520            |
| CWI2520F-R15K | 0.15    | 30     | 25.2              | 550             | 0.42          | 480            |
| CWI2520F-R18K | 0.18    | 30     | 25.2              | 500             | 0.46          | 460            |
| CWI2520F-R22K | 0.22    | 30     | 25.2              | 450             | 0.52          | 430            |
| CWI2520F-R27K | 0.27    | 30     | 25.2              | 425             | 0.56          | 420            |
| CWI2520F-R33K | 0.33    | 30     | 25.2              | 400             | 0.6           | 400            |
| CWI2520F-R39K | 0.39    | 30     | 25.2              | 375             | 0.65          | 375            |
| CWI2520F-R47K | 0.47    | 30     | 25.2              | 350             | 0.68          | 350            |
| CWI2520F-R56K | 0.56    | 30     | 25.2              | 300             | 0.75          | 325            |
| CWI2520F-R68K | 0.68    | 30     | 25.2              | 270             | 0.85          | 300            |
| CWI2520F-R82K | 0.82    | 30     | 25.2              | 250             | 1             | 260            |
| CWI2520F-1R0J | 1.0     | 30     | 7.96              | 220             | 1.1           | 245            |
| CWI2520F-1R2J | 1.2     | 30     | 7.96              | 180             | 1.2           | 230            |
| CWI2520F-1R5J | 1.5     | 30     | 7.96              | 135             | 1.3           | 220            |
| CWI2520F-1R8J | 1.8     | 30     | 7.96              | 100             | 1.45          | 210            |
| CWI2520F-2R2J | 2.2     | 30     | 7.96              | 75              | 1.55          | 200            |
| CWI2520F-2R7J | 2.7     | 30     | 7.96              | 55              | 1.7           | 195            |
| CWI2520F-3R3J | 3.3     | 30     | 7.96              | 48              | 1.9           | 185            |
| CWI2520F-3R9J | 3.9     | 30     | 7.96              | 43              | 2.1           | 180            |
| CWI2520F-4R7J | 4.7     | 30     | 7.96              | 40              | 2.3           | 175            |
| CWI2520F-5R6J | 5.6     | 25     | 7.96              | 36              | 2.5           | 170            |
| CWI2520F-6R8J | 6.8     | 25     | 7.96              | 33              | 2.7           | 165            |
| CWI2520F-8R2J | 8.2     | 25     | 7.96              | 30              | 3             | 165            |
| CWI2520F-100J | 10      | 25     | 2.52              | 27              | 3.5           | 155            |
| CWI2520F-120J | 12      | 25     | 2.52              | 23              | 3.8           | 150            |
| CWI2520F-150J | 15      | 25     | 2.52              | 20              | 4.4           | 140            |
| CWI2520F-180J | 18      | 25     | 2.52              | 18              | 4.8           | 130            |
| CWI2520F-220J | 22      | 25     | 2.52              | 17              | 5.5           | 125            |
| CWI2520F-270J | 27      | 25     | 2.52              | 16              | 6.3           | 115            |
| CWI2520F-330J | 33      | 25     | 2.52              | 15              | 7             | 110            |
| CWI2520F-390J | 39      | 20     | 2.52              | 14              | 9.5           | 90             |
| CWI2520F-470J | 47      | 20     | 2.52              | 13              | 11            | 80             |
| CWI2520F-560J | 56      | 20     | 2.52              | 12              | 12            | 75             |
| CWI2520F-680J | 68      | 20     | 2.52              | 11              | 16.5          | 70             |
| CWI2520F-820J | 82      | 20     | 2.52              | 10              | 19            | 65             |
| CWI2520F-101J | 100     | 15     | 2.52              | 9               | 21            | 60             |



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|---------------|---------|--------|-------------------|-----------------|---------------|----------------|
| CWI3225F-R15K | 0.15    | 30     | 25.2              | 450             | 0.25          | 450            |
| CWI3225F-R18K | 0.18    | 30     | 25.2              | 400             | 0.28          | 450            |
| CWI3225F-R22K | 0.22    | 30     | 25.2              | 350             | 0.32          | 450            |
| CWI3225F-R27K | 0.27    | 30     | 25.2              | 320             | 0.36          | 450            |
| CWI3225F-R33K | 0.33    | 30     | 25.2              | 300             | 0.40          | 450            |
| CWI3225F-R39K | 0.39    | 30     | 25.2              | 250             | 0.45          | 450            |
| CWI3225F-R47K | 0.47    | 30     | 25.2              | 220             | 0.50          | 450            |
| CWI3225F-R56K | 0.56    | 30     | 25.2              | 180             | 0.55          | 450            |
| CWI3225F-R68K | 0.68    | 30     | 25.2              | 160             | 0.60          | 450            |
| CWI3225F-R82K | 0.82    | 30     | 25.2              | 140             | 0.65          | 450            |
| CWI3225F-1R0J | 1.0     | 30     | 7.96              | 120             | 0.70          | 400            |
| CWI3225F-1R2J | 1.2     | 30     | 7.96              | 100             | 0.75          | 390            |
| CWI3225F-1R5J | 1.5     | 30     | 7.96              | 85              | 0.85          | 370            |
| CWI3225F-1R8J | 1.8     | 30     | 7.96              | 80              | 0.90          | 350            |
| CWI3225F-2R2J | 2.2     | 30     | 7.96              | 75              | 1.00          | 320            |
| CWI3225F-2R7J | 2.7     | 30     | 7.96              | 70              | 1.10          | 290            |
| CWI3225F-3R3J | 3.3     | 30     | 7.96              | 60              | 1.20          | 260            |
| CWI3225F-3R9J | 3.9     | 30     | 7.96              | 55              | 1.30          | 250            |
| CWI3225F-4R7J | 4.7     | 30     | 7.96              | 50              | 1.50          | 220            |
| CWI3225F-5R6J | 5.6     | 30     | 7.96              | 47              | 1.60          | 200            |
| CWI3225F-6R8J | 6.8     | 30     | 7.96              | 43              | 1.80          | 180            |
| CWI3225F-8R2J | 8.2     | 30     | 7.96              | 40              | 2.00          | 170            |
| CWI3225F-100J | 10      | 30     | 2.52              | 36              | 2.10          | 150            |
| CWI3225F-120J | 12      | 30     | 2.52              | 33              | 2.50          | 140            |
| CWI3225F-150J | 15      | 30     | 2.52              | 30              | 2.80          | 130            |
| CWI3225F-180J | 18      | 30     | 2.52              | 27              | 3.30          | 120            |
| CWI3225F-220J | 22      | 30     | 2.52              | 25              | 3.70          | 110            |
| CWI3225F-270J | 27      | 30     | 2.52              | 20              | 5.00          | 80             |
| CWI3225F-330J | 33      | 30     | 2.52              | 17              | 5.60          | 70             |
| CWI3225F-390J | 39      | 30     | 2.52              | 16              | 6.40          | 65             |
| CWI3225F-470J | 47      | 30     | 2.52              | 15              | 7.00          | 60             |
| CWI3225F-560J | 56      | 30     | 2.52              | 13              | 8.00          | 55             |
| CWI3225F-680J | 68      | 30     | 2.52              | 12              | 9.00          | 50             |
| CWI3225F-820J | 82      | 30     | 2.52              | 11              | 10.0          | 45             |
| CWI3225F-101J | 100     | 20     | 0.796             | 10              | 10.0          | 40             |
| CWI3225F-121J | 120     | 20     | 0.796             | 10              | 11.0          | 35             |
| CWI3225F-151J | 150     | 20     | 0.796             | 8               | 15.0          | 30             |
| CWI3225F-181J | 180     | 20     | 0.796             | 7               | 17.0          | 30             |
| CWI3225F-221J | 220     | 20     | 0.796             | 7               | 21.0          | 30             |



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|---------------|---------|--------|-------------------|-----------------|---------------|----------------|
| CWI4532F-R15K | 0.15    | 30     | 25.2              | 250             | 0.22          | 730            |
| CWI4532F-R18K | 0.18    | 30     | 25.2              | 220             | 0.24          | 700            |
| CWI4532F-R22K | 0.22    | 30     | 25.2              | 200             | 0.25          | 665            |
| CWI4532F-R27K | 0.27    | 30     | 25.2              | 180             | 0.26          | 635            |
| CWI4532F-R33K | 0.33    | 30     | 25.2              | 165             | 0.28          | 605            |
| CWI4532F-R39K | 0.39    | 30     | 25.2              | 150             | 0.30          | 575            |
| CWI4532F-R47K | 0.47    | 30     | 25.2              | 145             | 0.32          | 545            |
| CWI4532F-R56K | 0.56    | 30     | 25.2              | 140             | 0.36          | 520            |
| CWI4532F-R68K | 0.68    | 30     | 25.2              | 135             | 0.40          | 500            |
| CWI4532F-R82K | 0.82    | 30     | 25.2              | 130             | 0.45          | 475            |
| CWI4532F-1R0J | 1.0     | 30     | 7.96              | 100             | 0.50          | 450            |
| CWI4532F-1R2J | 1.2     | 30     | 7.96              | 80              | 0.55          | 430            |
| CWI4532F-1R5J | 1.5     | 30     | 7.96              | 70              | 0.60          | 410            |
| CWI4532F-1R8J | 1.8     | 30     | 7.96              | 60              | 0.65          | 390            |
| CWI4532F-2R2J | 2.2     | 30     | 7.96              | 55              | 0.70          | 380            |
| CWI4532F-2R7J | 2.7     | 30     | 7.96              | 50              | 0.75          | 370            |
| CWI4532F-3R3J | 3.3     | 30     | 7.96              | 45              | 0.80          | 355            |
| CWI4532F-3R9J | 3.9     | 30     | 7.96              | 40              | 0.90          | 330            |
| CWI4532F-4R7J | 4.7     | 30     | 7.96              | 35              | 1.00          | 315            |
| CWI4532F-5R6J | 5.6     | 30     | 7.96              | 33              | 1.10          | 300            |
| CWI4532F-6R8J | 6.8     | 30     | 7.96              | 27              | 1.20          | 285            |
| CWI4532F-8R2J | 8.2     | 30     | 7.96              | 25              | 1.40          | 270            |
| CWI4532F-100J | 10      | 30     | 2.52              | 20              | 1.60          | 250            |
| CWI4532F-120J | 12      | 30     | 2.52              | 18              | 2.00          | 225            |
| CWI4532F-150J | 15      | 30     | 2.52              | 17              | 2.50          | 200            |
| CWI4532F-180J | 18      | 30     | 2.52              | 15              | 2.80          | 190            |
| CWI4532F-220J | 22      | 30     | 2.52              | 13              | 3.20          | 180            |
| CWI4532F-270J | 27      | 30     | 2.52              | 12              | 3.60          | 170            |
| CWI4532F-330J | 33      | 30     | 2.52              | 11              | 4.00          | 160            |
| CWI4532F-390J | 39      | 30     | 2.52              | 10              | 4.50          | 150            |
| CWI4532F-470J | 47      | 30     | 2.52              | 10              | 5.00          | 140            |
| CWI4532F-560J | 56      | 30     | 2.52              | 9               | 5.50          | 135            |
| CWI4532F-680J | 68      | 30     | 2.52              | 9               | 6.00          | 130            |
| CWI4532F-820J | 82      | 30     | 2.52              | 8               | 7.00          | 120            |
| CWI4532F-101J | 100     | 20     | 0.796             | 8               | 8.00          | 110            |
| CWI4532F-121J | 120     | 20     | 0.796             | 6               | 8.00          | 110            |
| CWI4532F-151J | 150     | 20     | 0.796             | 5               | 9.00          | 105            |
| CWI4532F-181J | 180     | 20     | 0.796             | 5               | 9.50          | 102            |
| CWI4532F-221J | 220     | 20     | 0.796             | 4               | 10.00         | 100            |