



**THE DATASHEET OF  
HZ1206C202R-10**



## Board Level Products

HI2220P601R-10 (Part number example in **BOLD**)

| HI  | 2220           | P                             | 601   | R  | -10   |
|---|----------------|-------------------------------|---|--|---|
| Product Series Code   | Part Size Code | Rated Continuous Current Code | Impedance ( Z ) or Inductance ( L ) Value Code  | Packaging Code   | Additional Description                              |
| <b>HI</b> = High Current Chip Beads (≥3,000 mA)             | 0402           | <b>A</b> ≤ 100 mA             | First two numbers are Significant Digits. The last number indicates how many zeros are added to the significant digits for impedance.                       | <b>B</b> = Bulk Standard Thru-Hole Packaging           | <b>00</b> = Legacy Part Contains Lead               |
| <b>MI</b> = Mid Current Chip Beads (≥1,000 mA to <3,000 mA) | 0603           | <b>B</b> = 200 mA             | Impedance Examples<br><br>100 = 10 OHMS<br>101 = 100 OHMS<br>102 = 1,000 OHMS<br>202 = 2,000 OHMS<br>060 = 6 OHMS<br>600 = 60 OHMS<br><b>601 = 600 OHMS</b> | <b>R</b> = <b>Tape &amp; Reel</b> Standard SMT Package | <b>-10</b> = <b>Lead Free Standard Catalog Part</b> |
| <b>LI</b> = Low Current Chip Beads (<1,000 mA, <400 W Z)    | 0805           | <b>C</b> = 300 mA             |   |  |   |
| <b>HZ</b> = High Impedance Chip Beads (<1,000 mA, ≥400 W Z) | 1206           | <b>D</b> = 400 mA             |   |  |   |
| <b>HF</b> = High Frequency Chip Beads                       | 1210           | <b>E</b> = 500 mA             |   |  |   |
| <b>LF</b> = Low Frequency Chip Beads                        | 1612           | <b>F</b> = 600 mA             |   |  |   |
| <b>HR</b> = High Bias Retention Chip Beads (>3,000 mA)      | 1806           | <b>G</b> = 700 mA             |   |  |   |
| <b>CC</b> = CAN-Bus Common Mode                             | 1812           | <b>H</b> = 800 mA             |   |  |   |
| <b>CM</b> = Common Mode                                     | 1922           | <b>I</b> = 900 mA             |   |  |   |
| <b>DI</b> = Power Inductor                                  | 2021           | <b>J</b> = 1,000 mA           |   |  |   |
| <b>DA</b> = Multiline Array Chip                            | <b>2220</b>    | <b>K</b> = 1,500 mA           |   |  |   |
| <b>IC</b> = Chip Inductor                                   | 2520           | <b>L</b> = 2,000 mA           | Inductance Examples<br><br>470 = 47 nH<br>471 = 470 nH<br>472 = 4,700 nH<br>473 = 47,000 nH<br>474 = 470,000 nH<br>475 = 4,700,000 nH                       |  |   |
|   | 2545           | <b>M</b> = 2,500 mA           |   |  |   |
|   | 2722           | <b>N</b> = 3,000 mA           |   |  |   |
|   | 3032           | <b>O</b> = 3,500 mA           |   |  |   |
|   | 3312           | <b>P</b> = <b>4,000 mA</b>    |   |  |   |
|   | 3322           | <b>Q</b> = 4,500 mA           |   |  |   |
|   | 3421           | <b>R</b> = 5,000 mA           |   |  |   |
|   | 3822           | <b>S</b> = 5,500 mA           |   |  |   |
|   | 4545           | <b>T</b> = 6,000 mA           |   |  |   |
|   | 4732           | <b>U</b> = 7,000 mA           |   |  |   |
|   | 5022           | <b>V</b> = 8,000 mA           |   |  |   |
|   | 5441           | <b>W</b> = 9,000 mA           |   |  |   |
|   | 6032           | <b>X</b> = 10,000 mA          |   |  |   |
|   |                | <b>Y</b> = 15,000 mA          |   |  |   |
|   |                | <b>Z</b> ≥ 20,000 mA          |   |  |   |

29F0818-1SR-10 (Part number example in **BOLD**)

| 29                                       | F                                | 0818  | -1                         | S   | R  | -10   |
|--|----------------------------------|---|----------------------------|---|--|---|
| Material Type                            | Product Type Code                | Part Size Code                                  | Minor Dimension Code       | Board Mounting Style                                    | Packaging Code   | Additional Part Description                         |
| <b>28 &amp; 29</b> = Broad Band Material | <b>C</b> = Choke                 | Unique Part Identifier or Significant Dimension | Height or Length Variation | <b>S</b> = <b>Surface Mount</b><br><b>T</b> = Thru-Hole | <b>O</b> = Bulk Standard<br><br><b>R</b> = <b>Tape &amp; Reel</b> Standard SMT Package | <b>-10</b> = <b>Lead Free Standard Catalog Part</b> |
| <b>35</b> = Low Frequency Material       | <b>L</b> = Axial Ledged Bead     |   |                            |   |  |   |
|  | <b>F</b> = <b>Assembled Part</b> |   |                            |   |  |   |
|  | <b>J</b> = Radial Ledged Bead    |   |                            |   |  | <b>-11 to -99</b> = Non Standard or Custom Part     |

## Ferrite Cable Core Products

28B0250-100 (Part number example in **BOLD**)

| 28   | B  | 0250   | -1                      | 0  | 0  |
|--|--|--|-------------------------|--|--|
| Material Type  | Product Type Code  | Part Size Code   | Selected Dimension Code | Additional Part Description  | Additional Part Description  |
| <b>28 = Broad Band Material</b><br><br>HF = High Frequency Material<br><br>LF = Low Frequency Material | A = Split round cores (Snap-Ons)<br><br><b>B = Round Cylindrical Cores</b><br><br>R = Ribbon Cable Cores<br><br>S = Split Ribbon Cores | 28 material is usually measured in inches for OD.<br><br>HF & LF Material OD & ID is usually measured in mm. | Usually Length          | <b>0 = Standard Part</b><br><br><b>"A" Product Type Code</b><br>A = Plastic Case<br>B = Plastic Case<br><br><b>"S" Product Type Code</b><br>0 = No Clip<br>M = Metal Clip<br>P = Plastic Clip<br>A = Hinged Plastic Case | <b>0 = Standard Part</b><br><br><b>"A" Product Type Code</b><br>0 = White Case<br>2 = Black Case |

## FERRITE MATERIAL COMPARISON

LF, 28, HF Material Impedance vs Frequency ( 300 KHz - 2 GHz )  
Impedance Materials for Cable & Wiring Harness Cores



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