



**THE DATASHEET OF
CM5022R151R-00**



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 |
| HI = High Current Chip Beads (≥3,000 mA) | 0402 | A ≤ 100 mA | First two numbers are Significant Digits. The last number indicates how many zeros are added to the significant digits for impedance. | B = Bulk Standard Thru-Hole Packaging | 00 = Legacy Part Contains Lead |
| MI = Mid Current Chip Beads (≥1,000 mA to <3,000 mA) | 0603 | B = 200 mA | Impedance Examples 100 = 10 OHMS 101 = 100 OHMS 102 = 1,000 OHMS 202 = 2,000 OHMS 060 = 6 OHMS 600 = 60 OHMS 601 = 600 OHMS | R = Tape & Reel Standard SMT Package | -10 = Lead Free Standard Catalog Part |
| LI = Low Current Chip Beads (<1,000 mA, <400 W Z) | 0805 | C = 300 mA | | | |
| HZ = High Impedance Chip Beads (<1,000 mA, ≥400 W Z) | 1206 | D = 400 mA | | | |
| HF = High Frequency Chip Beads | 1210 | E = 500 mA | | | |
| LF = Low Frequency Chip Beads | 1612 | F = 600 mA | | | |
| HR = High Bias Retention Chip Beads (>3,000 mA) | 1806 | G = 700 mA | | | |
| CC = CAN-Bus Common Mode | 1812 | H = 800 mA | | | |
| CM = Common Mode | 1922 | I = 900 mA | | | |
| DI = Power Inductor | 2021 | J = 1,000 mA | | | |
| DA = Multiline Array Chip | 2220 | K = 1,500 mA | | | |
| IC = Chip Inductor | 2520 | L = 2,000 mA | Inductance Examples 470 = 47 nH 471 = 470 nH 472 = 4,700 nH 473 = 47,000 nH 474 = 470,000 nH 475 = 4,700,000 nH | | |
| | 2545 | M = 2,500 mA | | | |
| | 2722 | N = 3,000 mA | | | |
| | 3032 | O = 3,500 mA | | | |
| | 3312 | P = 4,000 mA | | | |
| | 3322 | Q = 4,500 mA | | | |
| | 3421 | R = 5,000 mA | | | |
| | 3822 | S = 5,500 mA | | | |
| | 4545 | T = 6,000 mA | | | |
| | 4732 | U = 7,000 mA | | | |
| | 5022 | V = 8,000 mA | | | |
| | 5441 | W = 9,000 mA | | | |
| | 6032 | X = 10,000 mA | | | |
| | | Y = 15,000 mA | | | |
| | | Z ≥ 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 |
| 28 & 29 = Broad Band Material | C = Choke | Unique Part Identifier or Significant Dimension | Height or Length Variation | S = Surface Mount T = Thru-Hole | O = Bulk Standard R = Tape & Reel Standard SMT Package | -10 = Lead Free Standard Catalog Part |
| 35 = Low Frequency Material | L = Axial Ledged Bead | | | | | |
| | F = Assembled Part | | | | | |
| | J = Radial Ledged Bead | | | | | -11 to -99 = 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 |
| 28 = Broad Band Material HF = High Frequency Material LF = Low Frequency Material | A = Split round cores (Snap-Ons) B = Round Cylindrical Cores R = Ribbon Cable Cores S = Split Ribbon Cores | 28 material is usually measured in inches for OD. HF & LF Material OD & ID is usually measured in mm. | Usually Length | 0 = Standard Part "A" Product Type Code A = Plastic Case B = Plastic Case "S" Product Type Code 0 = No Clip M = Metal Clip P = Plastic Clip A = Hinged Plastic Case | 0 = Standard Part "A" Product Type Code 0 = White Case 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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