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**	**Addtional Description**
HI = High Current Chip Beads (≥3,000 mA) MI = Mid Current Chip Beads (≥1,000 mA to <3,000 mA) LI = Low Current Chip Beads (<1,000 mA, <400 W Z) HZ = High Impedance Chip Beads (<1,000 mA, ≥400 W Z) HF = High Frequency Chip Beads LF = Low Frequency Chip Beads HR = High Bias Retention Chip Beads (>3,000 mA) CC = CAN-Bus Common Mode CM = Common Mode DI = Power Inductor DA = Multiline Array Chip IC = Chip Inductor	0402 0603 0805 1206 1210 1612 1806 1812 1922 2021 **2220** 2520 2545 2722 3032 3312 3322 3421 3822 4545 4732 5022 5441 6032	A ≤ 100 mA B = 200 mA C = 300 mA D = 400 mA E = 500 mA F = 600 mA G = 700 mA H = 800 mA I = 900 mA J = 1,000 mA K = 1,500 mA L = 2,000 mA M = 2,500 mA N = 3,000 mA O = 3,500 mA **P = 4,000 mA** Q = 4,500 mA R = 5,000 mA S = 5,500 mA T = 6,000 mA U = 7,000 mA V = 8,000 mA W = 9,000 mA X = 10,000 mA Y = 15,000 mA Z ≥ 20,000 mA	First two numbers are Significant Digits. The last number indicates how many zeros are added to the significant digits for impedance. 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** 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	B = Bulk Standard Thru-Hole Packaging **R = Tape & Reel** Standard SMT Package	00 = Legacy Part Contains Lead **-10 = Lead Free Standard Catalog Part** -11 to -99 = Non Standard or Custom Part

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 35 = Low Frequency Material	C = Choke L = Axial Leaded Bead **F = Assembled Part** J = Radial Leaded Bead	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** -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**	**Addtional 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

