



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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	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	Inductance Examples		-11 to -99 = Non Standard or Custom Part
HF = High Frequency Chip Beads	1210	E = 500 mA			
LF = Low Frequency Chip Beads	1612	F = 600 mA	100 = 10 OHMS		
HR = High Bias Retention Chip Beads (>3,000 mA)	1806	G = 700 mA	101 = 100 OHMS		
CC = CAN-Bus Common Mode	1812	H = 800 mA	102 = 1,000 OHMS		
CM = Common Mode	1922	I = 900 mA	202 = 2,000 OHMS		
DI = Power Inductor	2021	J = 1,000 mA	060 = 6 OHMS		
DA = Multiline Array Chip	2220	K = 1,500 mA	600 = 60 OHMS		
IC = Chip Inductor	2520	L = 2,000 mA	601 = 600 OHMS		
	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	470 = 47 nH		
	4732	U = 7,000 mA	471 = 470 nH		
	5022	V = 8,000 mA	472 = 4,700 nH		
	5441	W = 9,000 mA	473 = 47,000 nH		
	6032	X = 10,000 mA	474 = 470,000 nH		
		Y = 15,000 mA	475 = 4,700,000 nH		
		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

