



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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Wirewound, Surface Mount Molded Inductors



STANDARD ELECTRICAL SPECIFICATIONS						
IND. (μH)	TOL.	TEST FREQ. (MHz)	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) ⁽¹⁾
		L & Q				
0.010	20 %	50	30	1000	0.13	734
0.012	20 %	50	30	1000	0.14	707
0.015	20 %	50	30	1000	0.16	661
0.018	20 %	50	30	1000	0.18	624
0.022	20 %	50	30	1000	0.20	592
0.027	20 %	50	30	1000	0.22	564
0.033	20 %	50	30	1000	0.24	540
0.039	20 %	50	30	1000	0.27	530
0.047	20 %	50	30	1000	0.30	483
0.056	20 %	50	30	1000	0.33	470
0.068	20 %	50	30	1000	0.36	450
0.082	20 %	50	30	900	0.40	450
0.10	20 %	50	30	700	0.44	450
0.12	20 %	25.2	30	500	0.22	584
0.15	20 %	25.2	30	450	0.25	548
0.18	20 %	25.2	30	400	0.28	518
0.22	20 %	25.2	30	350	0.32	484
0.27	20 %	25.2	30	320	0.36	456
0.33	20 %	25.2	30	300	0.40	453
0.39	20 %	25.2	30	250	0.45	450
0.47	20 %	25.2	30	220	0.50	450
0.56	20 %	25.2	30	180	0.55	450
0.68	20 %	25.2	30	160	0.60	450
0.82	20 %	25.2	30	140	0.67	450
1.0	10 %	7.96	30	120	0.70	400
1.2	10 %	7.96	30	100	0.75	390
1.5	10 %	7.96	30	85	0.85	370
1.8	10 %	7.96	30	80	0.90	350
2.2	10 %	7.96	30	75	1.0	320
2.7	10 %	7.96	30	70	1.1	290
3.3	10 %	7.96	30	60	1.2	260
3.9	10 %	7.96	30	55	1.3	250
4.7	10 %	7.96	30	50	1.5	224
5.6	10 %	7.96	30	45	1.6	217
6.8	10 %	7.96	30	40	1.8	204
8.2	10 %	7.96	30	38	2.0	194
10	10 %	2.52	30	33	2.1	189
12	10 %	2.52	30	30	2.5	173
15	10 %	2.52	30	21	2.8	164
18	10 %	2.52	30	20	3.3	151
22	10 %	2.52	30	19	3.7	145
27	10 %	2.52	30	18	5.0	122
33	10 %	2.52	30	16	6.0	112
39	10 %	2.52	30	15	7.0	104
47	10 %	2.52	30	14	9.0	91
56	10 %	2.52	30	12	10.0	87
68	10 %	2.52	30	11	11.0	83
82	10 %	2.52	30	10	12.0	79
100	10 %	0.796	20	9	14.0	73
120	10 %	0.796	15	8	11.0	70
150	10 %	0.796	15	6.5	15.0	65
180	10 %	0.796	15	6	17.0	60
220	10 %	0.796	15	6	21.0	50

Note

(1) Rated DC current based on the maximum temperature rise, not to exceed 40 °C at +85 °C ambient

FEATURES

- Printed marking
- Molded construction provides superior strength and moisture resistance
- Compatible with vapor phase and infrared reflow soldering
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS COMPLIANT

ELECTRICAL SPECIFICATIONS

Inductance range: 0.01 μH to 220 μH

Special tolerances available upon request

Operating temperature: -55 °C to +125 °C

Coilform material: Non-magnetic from 0.01 μH to 0.10 μH

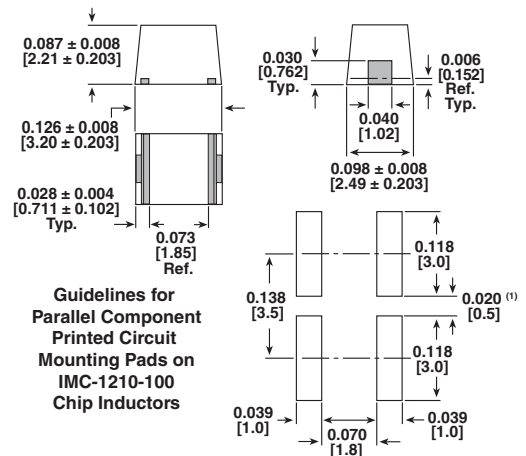
Powdered iron from 0.12 μH to 100 μH

Ferrite from 120 μH to 220 μH

TEST EQUIPMENT

- HP4342A Q meter with Vishay Dale test fixture or equivalent
- HP4191A RF impedance analyzer (for SRF measurements)
- Wheatstone bridge

DIMENSIONS in inches [millimeters]



PART MARKING

- Vishay Dale
- Inductance value
- Date code

DESCRIPTION				
IMC-1210	10 μH	± 10 %	ER	e3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER				
I	M	C	1	2
PRODUCT FAMILY			SIZE	
E	R	1	0	0
PACKAGE CODE		INDUCTANCE VALUE		K
				TOL.



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