



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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Electrical / Environmental

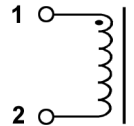
HM56

High Current Low Loss Ferrite Cube Inductors

- Operating Temperature Range -40°C to +125°C
- DCR Tolerance ±5 %
- Operating Frequency Up to 3 MHz



Schematic

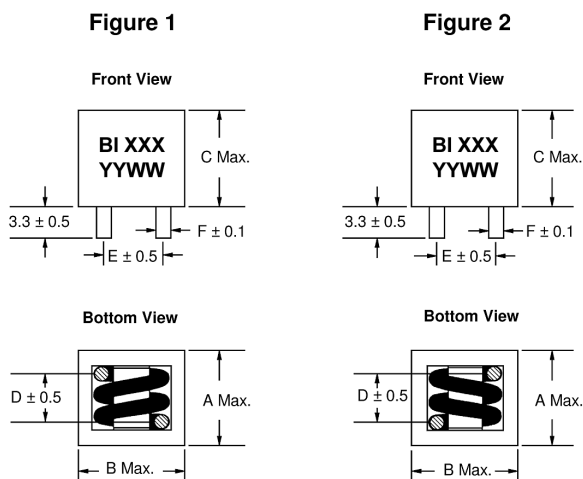


Specifications @ 25°C

Part Number	Inductance 100 kHz, 0.1 V		$I_{rated}^{(1)}$ (A dc)	Heating ⁽²⁾ Current (A dc)	$I_{sat}^{(3)}$ (A dc)	DCR (mΩ) ±5%	Dim. D (mm)	Dim. E (mm)	∅ Leads Dim. F (mm Typ.)	Fig.
	@ 0 A dc μH ± 15%	@ I_{rated} μH Typ.								
HM56-10100R15LF	0.15	0.14	68	39	100	0.60	5.5	5.0	1.40	1
HM56-11120R19LF	0.19	0.18	75	45	100	0.55	5.0	6.0	1.45	1
HM56-11120R22LF	0.22	0.20	60	45	90	0.55	5.0	6.0	1.45	1
HM56-11120R36LF	0.37	0.36	58	37	77	0.80	5.0	6.0	1.45	1
HM56-11120R4LF	0.40	0.39	50	37	73	0.80	5.0	6.0	1.45	1
HM56-11120R6LF	0.60	0.54	30	37	50	0.80	5.0	6.0	1.45	1
HM56-11121R0LF	1.00	0.90	28	23	37	2.00	5.4	6.6	1.20	1
HM56-11121R3LF	1.30	1.25	25	23	35	2.00	5.4	6.6	1.20	1
HM56-11121R5LF	1.50	1.45	24	17	30	3.65	6.0	7.0	0.90	1
HM56-11122R0LF	2.00	1.90	20	17	27	3.65	5.7	6.9	0.90	1
HM56-11123R0LF	3.00	2.80	18	12	22	7.50	6.0	7.0	0.72	1
HM56-13131R2LF	1.20	1.00	20	34	35	1.30	7.5	7.5	1.45	2
HM56-14138R0LF	8.00	7.00	3.5	16	7	6.30	9.0	8.0	0.90	2

- Notes: (1) The rated current, I_{rated} , is the approximate DC current at which inductance will be decreased by 5% typical from its initial (zero DC) value.
(2) The heating current is the DC current which causes the component temperature to increase by approximately 40°C.
(3) I_{sat} is the saturation current at which inductance rolls off approximately 30% from its initial (zero DC) value.

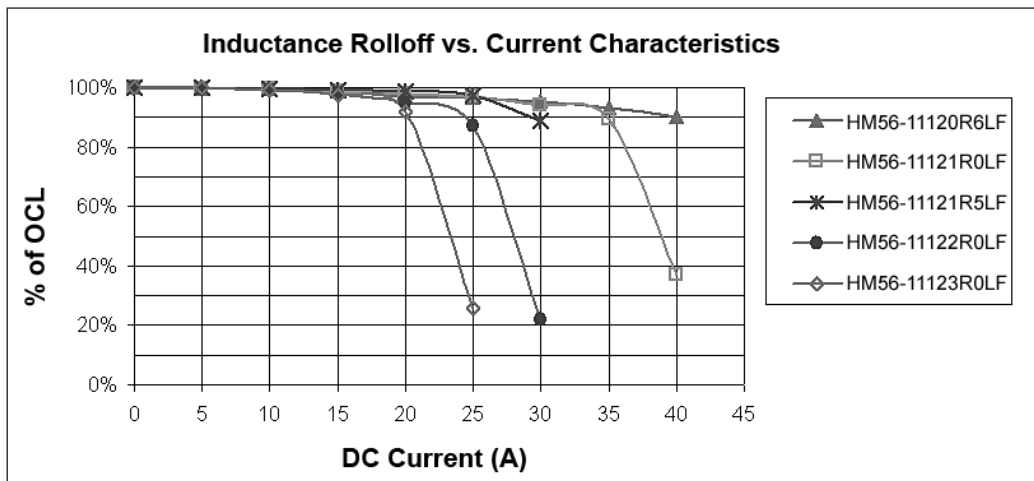
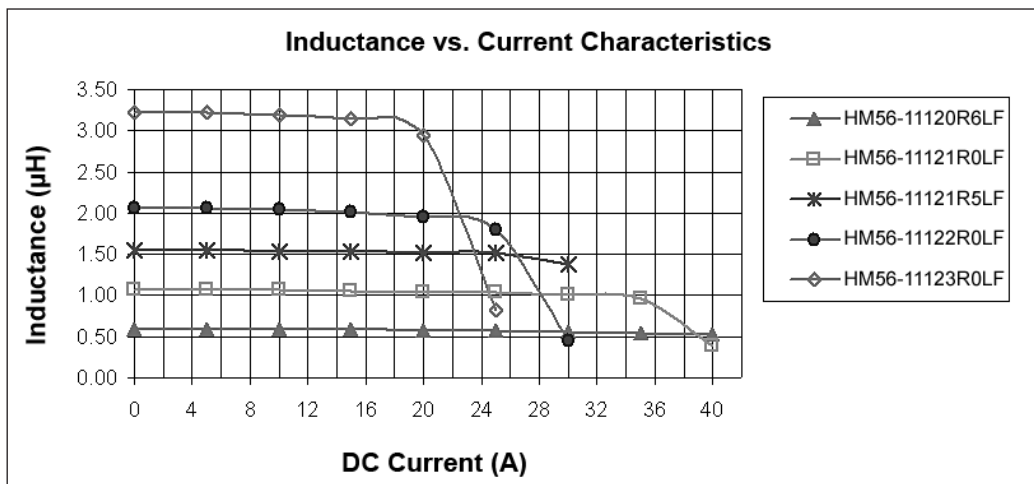
Outline Dimensions (mm)



Case Size	Figure	A	B	C
1010	1	10.0	10.0	10.0
1112	1	11.0	11.7	10.0
1313	2	13.0	13.0	9.5
1413	2	14.0	13.0	9.5

Note: Refer to Specifications table for 'D', 'E' & 'F' dimensions of each model.

Electrical Characteristics @ 25°C



Packaging

Standard: Tray

Quantity Per Tray	=	50 Units
Quantity Per Carton	=	650 Units

Ordering Information

