



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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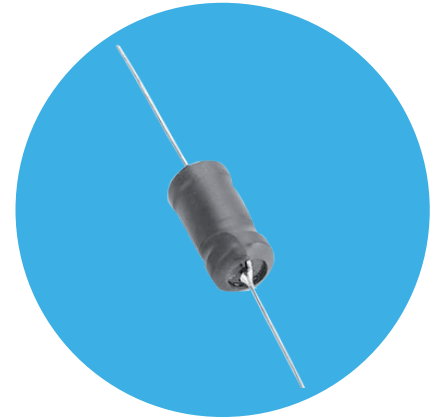


Axially Leaded Miniature Power Inductors

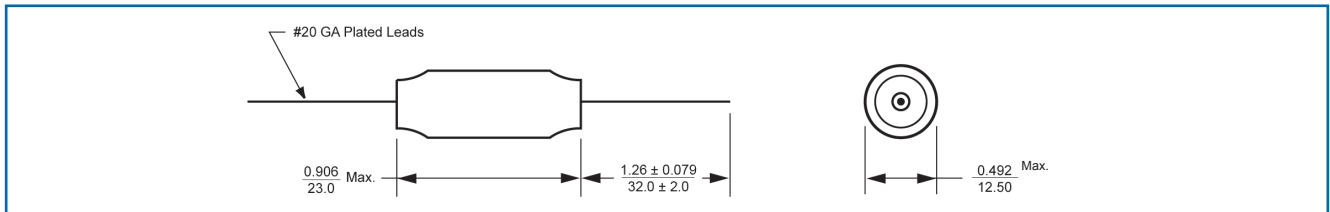
Model HM51

Features and Benefits

- Inductance Range 3.9 μ H to 10,000 μ H
- Standard Tolerance $\pm 10\%$
- Operating Temperature Range -55C to +105°C
- RoHS Compliant



Outline Dimensions (Inch / mm)



Specification @ 25°C

Part Number	Inductance Nominal ⁽¹⁾ μ H $\pm 10\%$	DC Resistance Ω Max.	Rated IDC ⁽²⁾ Amps	INCR IDC ⁽³⁾ Amps	Part Number	Inductance Nominal ⁽¹⁾ μ H $\pm 10\%$	DC Resistance Ω Max.	Rated IDC ⁽²⁾ Amps	INCR IDC ⁽³⁾ Amps
HM51-3R9KLF	3.9	0.007	8.40	15.5	HM51-221KLF	220	0.162	1.76	1.89
HM51-4R7KLF	4.7	0.008	7.90	13.9	HM51-271KLF	270	0.208	1.55	1.63
HM51-5R6KLF	5.6	0.011	6.70	12.6	HM51-331KLF	330	0.212	1.53	1.51
HM51-6R8KLF	6.8	0.011	6.70	11.6	HM51-391KLF	390	0.281	1.33	1.39
HM51-8R2KLF	8.2	0.013	6.20	9.89	HM51-471KLF	470	0.38	1.15	1.24
HM51-100KLF	10	0.017	5.40	8.70	HM51-561KLF	560	0.42	1.10	1.17
HM51-120KLF	12	0.019	5.10	8.21	HM51-681KLF	680	0.548	0.96	1.05
HM51-150KLF	15	0.022	4.70	7.34	HM51-821KLF	820	0.655	0.87	0.97
HM51-180KLF	18	0.023	4.70	6.64	HM51-102KLF	1,000	0.844	0.77	0.87
HM51-220KLF	22	0.026	4.40	6.07	HM51-122KLF	1,200	1.04	0.70	0.79
HM51-270KLF	27	0.027	4.30	5.36	HM51-152KLF	1,500	1.18	0.65	0.7
HM51-330KLF	33	0.032	4.00	4.82	HM51-182KLF	1,800	1.56	0.57	0.64
HM51-390KLF	39	0.033	3.90	4.36	HM51-222KLF	2,200	2.00	0.50	0.58
HM51-470KLF	47	0.035	3.80	3.98	HM51-272KLF	2,700	2.06	0.50	0.53
HM51-560KLF	56	0.037	3.70	3.66	HM51-332KLF	3,300	2.63	0.44	0.47
HM51-680KLF	68	0.047	3.30	3.31	HM51-392KLF	3,900	2.75	0.43	0.43
HM51-820KLF	82	0.06	2.90	3.10	HM51-472KLF	4,700	3.19	0.40	0.39
HM51-101KLF	100	0.09	2.30	2.79	HM51-562KLF	5,600	3.92	0.36	0.359
HM51-121KLF	120	0.113	2.10	2.54	HM51-682KLF	6,800	5.69	0.30	0.322
HM51-151KLF	150	0.129	2.00	2.22	HM51-822KLF	8,200	6.32	0.28	0.293
HM51-181KLF	180	0.15	1.80	1.98	HM51-103KLF	10,000	7.30	0.26	0.266

Notes:(1) Inductance is measured at 1kHz without DC current.

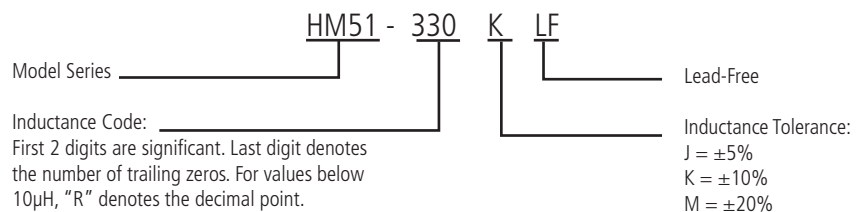
(2) The rated DC current is based on an approximate 20°C temperature rise.

(3) The incremental current (INCR I) is the approximate current at which the inductance will be decreased by 5% from its initial (zero DC) value due to saturation.

Packaging

Boxes
Standard
Capacity = 800Units

Ordering Information



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.

All information is subject to TT Electronics' own data and is considered accurate at time of going to print.