Electrical / Environmental

HM50

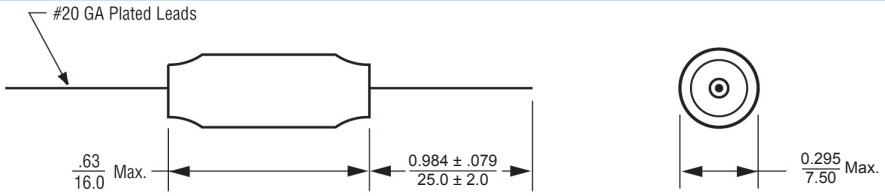


RoHS Compliant

Axially Leaded Miniature Power Inductors

- Inductance Range 3.9µH to 18,000µH
- Standard Tolerance ±10%
- Operating Temperature Range -55°C to +105°C

Outline Dimensions (Inch / mm)



Specifications @ 25°C

Part Number	Inductance Nominal (1) µH ±10%	DC Resistance Ω	Rated IDC (2) Amps	INCR IDC (3) Amps
HM50-3R9KLF	3.9	.019	3.60	7.30
HM50-4R7KLF	4.7	.022	3.40	6.30
HM50-5R6KLF	5.6	.024	3.20	5.60
HM50-6R8KLF	6.8	.026	3.10	5.30
HM50-8R2KLF	8.2	.028	3.00	4.50
HM50-100KLF	10	.033	2.80	4.10
HM50-120KLF	12	.037	2.60	3.60
HM50-150KLF	15	.040	2.50	3.30
HM50-180KLF	18	.044	2.40	3.00
HM50-220KLF	22	.050	2.23	2.70
HM50-270KLF	27	.056	2.10	2.50
HM50-330KLF	33	.076	1.81	2.20
HM50-390KLF	39	.094	1.63	2.00
HM50-470KLF	47	.109	1.51	1.80
HM50-560KLF	56	.140	1.33	1.70
HM50-680KLF	68	.131	1.31	1.50
HM50-820KLF	82	.152	1.30	1.40
HM50-101KLF	100	.208	1.10	1.20
HM50-121KLF	120	.283	0.94	1.10
HM50-151KLF	150	.340	0.86	1.00
HM50-181KLF	180	.362	0.83	0.95
HM50-221KLF	220	.430	0.76	0.86
HM50-271KLF	270	.557	0.67	0.77
HM50-331KLF	330	.665	0.61	0.70
HM50-391KLF	390	.772	0.57	0.64
HM50-471KLF	470	1.15	0.47	0.59
HM50-561KLF	560	1.27	0.44	0.54
HM50-681KLF	680	1.61	0.40	0.49
HM50-821KLF	820	1.96	0.36	0.44
HM50-102KLF	1000	2.30	0.33	0.40
HM50-122KLF	1200	2.65	0.30	0.35
HM50-152KLF	1500	3.45	0.27	0.33
HM50-182KLF	1800	4.03	0.25	0.29
HM50-222KLF	2200	4.48	0.23	0.27
HM50-272KLF	2700	5.40	0.21	0.24
HM50-332KLF	3300	6.56	0.20	0.22
HM50-392KLF	3900	8.63	0.17	0.20
HM50-472KLF	4700	9.66	0.16	0.18
HM50-562KLF	5600	13.9	0.13	.166
HM50-682KLF	6800	16.3	0.12	.151
HM50-822KLF	8200	20.8	0.11	.136
HM50-103KLF	10000	26.4	0.10	.125
HM50-123KLF	12000	29.9	0.09	.114
HM50-153KLF	15000	42.5	0.08	.098
HM50-183KLF	18000	48.3	0.07	.091

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

Standard: Boxes

Capacity = 2700 Units

Ordering Information

HM50 330 K LF

Model Series

Inductance Code: First 2 digits are significant. Last digit denotes the number of trailing zeros. For values below 10µH, "R" denotes the decimal point.

Inductance Tolerance:
J = ±5%
K = ±10%
M = ±20%

Lead Free

We reserve the right to change specifications without prior notice.