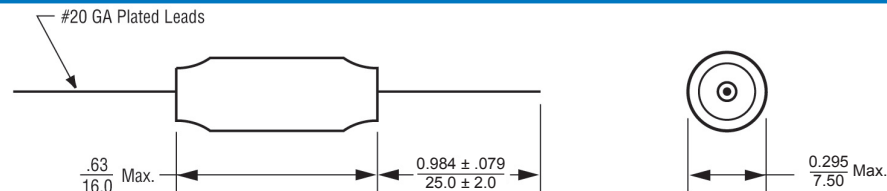


Electrical / Environmental

HM50


Axially Leaded Miniature Power Inductors

- Inductance Range 3.9 μ H to 18,000 μ H
- Standard Tolerance $\pm 10\%$
- Operating Temperature Range -55 $^{\circ}$ C to +105 $^{\circ}$ C

Outline Dimensions (Inch / mm)

Specifications @ 25 $^{\circ}$ C

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

- Notes: (1) Inductance is measured at 1kHz without DC current.
 (2) The rated DC current is based on an approximate 20 $^{\circ}$ 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
