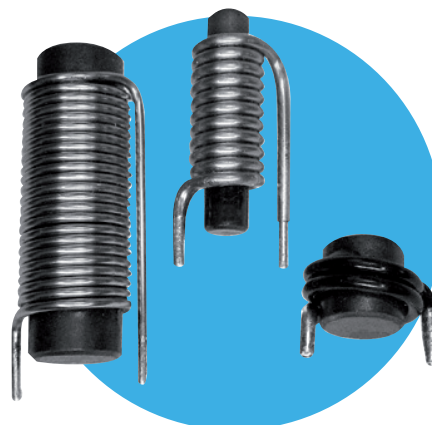


## Vertical Mount Inductors

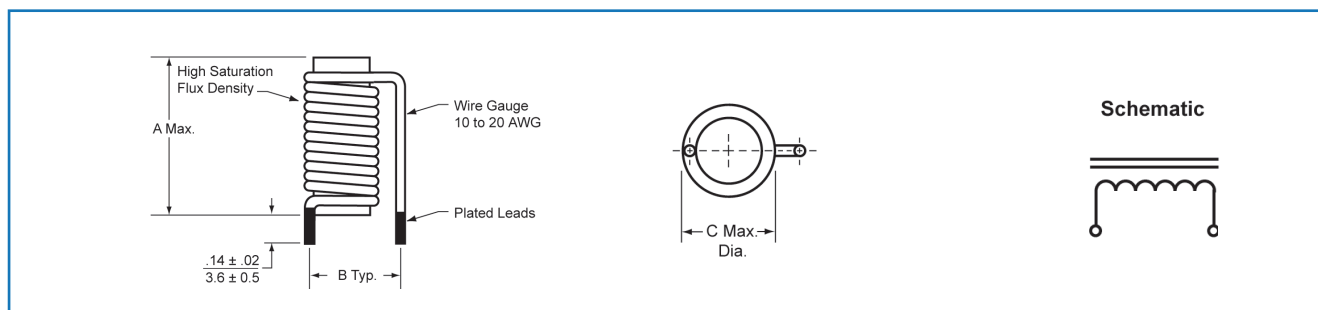
### Model HM11

#### Electrical / Environmental

- Operating Temperature Range -40°C to +105°C
- Temperature Rise, Maximum 45°C
- RoHS Compliant



### Outline Dimensions (Inch / mm) / Schematic



### Specifications / Packaging

| Part number  | Core Size | Wire Gauge<br>AWG<br>mm <sup>(1)</sup> | Inductance<br>μH<br>@ 10 kHz<br>± 25% | DCR<br>Max.<br>mΩ | I <sub>SAT</sub><br>DC Amps<br>Approx. | Max. Current<br>DC Amps |                 | Mechanical Outline<br>Dimensions: Inches (mm) |            |            | Carton Box<br>Quantity<br>(Units) |
|--------------|-----------|----------------------------------------|---------------------------------------|-------------------|----------------------------------------|-------------------------|-----------------|-----------------------------------------------|------------|------------|-----------------------------------|
|              |           |                                        |                                       |                   |                                        | at 35°C<br>Rise         | at 45°C<br>Rise | A                                             | B          | C          |                                   |
| HM11-11001LF | 10 X 40   | 10 (2.59)                              | 4.46                                  | 2.0               | 48                                     | 23.5                    | 26.5            | 1.65 (42)                                     | .75 (19.0) | .63 (16.0) | 250                               |
| HM11-11302LF | 10 X 35   | 13 (1.83)                              | 7.20                                  | 4.5               | 36                                     | 13.0                    | 15.0            | 1.46 (37)                                     | .65 (16.5) | .57 (14.5) | 300                               |
| HM11-11503LF | 10 X 35   | 15 (1.45)                              | 11.00                                 | 8.1               | 28                                     | 10.5                    | 12.0            | 1.46 (37)                                     | .60 (15.2) | .54 (13.7) | 300                               |
| HM11-11804LF | 10 X 35   | 18 (1.02)                              | 21.00                                 | 21.4              | 20                                     | 7.0                     | 8.0             | 1.46 (37)                                     | .55 (14.0) | .50 (12.8) | 300                               |
| HM11-12005LF | 10 X 35   | 20 (0.81)                              | 34.00                                 | 43.0              | 16                                     | 5.5                     | 6.5             | 1.46 (37)                                     | .55 (14.0) | .49 (12.4) | 300                               |
| HM11-21001LF | 10 X 25   | 10 (2.59)                              | 1.40                                  | 1.2               | 85                                     | 25.0                    | 28.0            | 1.06 (27)                                     | .75 (19.0) | .63 (16.0) | 300                               |
| HM11-21302LF | 10 X 25   | 13 (1.83)                              | 3.30                                  | 3.4               | 60                                     | 14.0                    | 16.0            | 1.06 (27)                                     | .65 (16.5) | .57 (14.5) | 300                               |
| HM11-21503LF | 10 X 25   | 15 (1.45)                              | 5.00                                  | 5.8               | 46                                     | 11.5                    | 13.5            | 1.06 (27)                                     | .60 (15.2) | .54 (13.7) | 300                               |
| HM11-21804LF | 10 X 25   | 18 (1.02)                              | 9.30                                  | 15.0              | 30                                     | 8.0                     | 9.0             | 1.06 (27)                                     | .55 (14.0) | .50 (12.8) | 300                               |
| HM11-22005LF | 10 X 25   | 20 (0.81)                              | 16.20                                 | 30.6              | 22                                     | 5.0                     | 5.5             | 1.06 (27)                                     | .55 (14.0) | .49 (12.4) | 1000                              |
| HM11-31001LF | 8 X 25    | 10 (2.59)                              | 1.20                                  | 1.2               | 72                                     | 28.0                    | 31.0            | 1.06 (27)                                     | .65 (16.5) | .55 (14.0) | 300                               |
| HM11-31302LF | 8 X 25    | 13 (1.83)                              | 2.70                                  | 2.7               | 45                                     | 14.5                    | 17.0            | 1.06 (27)                                     | .55 (14.0) | .49 (12.5) | 400                               |
| HM11-31503LF | 8 X 25    | 15 (1.45)                              | 4.20                                  | 4.9               | 35                                     | 11.5                    | 13.5            | 1.06 (27)                                     | .55 (14.0) | .46 (11.7) | 1000                              |
| HM11-31804LF | 8 X 25    | 18 (1.02)                              | 7.20                                  | 11.6              | 26                                     | 8.0                     | 9.0             | 1.06 (27)                                     | .50 (12.7) | .43 (10.8) | 1000                              |
| HM11-32005LF | 8 X 25    | 20 (0.81)                              | 12.00                                 | 22.8              | 22                                     | 5.5                     | 6.5             | 1.06 (27)                                     | .45 (11.4) | .41 (10.4) | 1000                              |
| HM11-41301LF | 6 X 16    | 13 (1.83)                              | 0.66                                  | 1.4               | 65                                     | 13.0                    | 15.0            | .71 (18)                                      | .50 (12.7) | .41 (10.5) | 660                               |
| HM11-41502LF | 6 X 16    | 15 (1.45)                              | 1.00                                  | 2.3               | 50                                     | 10.0                    | 12.0            | .71 (18)                                      | .45 (11.4) | .38 (9.7)  | 660                               |
| HM11-41803LF | 6 X 16    | 18 (1.02)                              | 2.20                                  | 6.1               | 32                                     | 8.0                     | 9.0             | .71 (18)                                      | .40 (10.2) | .35 (8.8)  | 660                               |
| HM11-42004LF | 6 X 16    | 20 (0.81)                              | 3.30                                  | 10.87             | 23                                     | 7.5                     | 8.5             | .71 (18)                                      | .40 (10.2) | .33 (8.4)  | 1,210                             |
| HM11-51301LF | 5 X 25    | 13 (1.83)                              | 2.00                                  | 1.9               | 25                                     | 17.0                    | 19.5            | 1.06 (27)                                     | .45 (11.4) | .37 (9.5)  | 1000                              |
| HM11-51502LF | 5 X 25    | 15 (1.45)                              | 2.60                                  | 3.2               | 20                                     | 14.5                    | 16.5            | 1.06 (27)                                     | .45 (11.4) | .34 (8.7)  | 1000                              |
| HM11-51803LF | 5 X 25    | 18 (1.02)                              | 5.50                                  | 8.4               | 14                                     | 9.0                     | 10.0            | 1.06 (27)                                     | .35 (8.9)  | .31 (7.8)  | 1000                              |
| HM11-52004LF | 5 X 25    | 20 (0.81)                              | 8.80                                  | 16.5              | 10                                     | 6.5                     | 7.0             | 1.06 (27)                                     | .35 (8.9)  | .29 (7.4)  | 1000                              |
| HM11-61301LF | 4 X 16    | 13 (1.83)                              | 0.37                                  | 0.9               | 53                                     | 18.0                    | 20.0            | .71 (18)                                      | .40 (10.2) | .33 (8.5)  | 1,210                             |
| HM11-61502LF | 4 X 16    | 15 (1.45)                              | 0.68                                  | 1.7               | 38                                     | 15.5                    | 17.5            | .71 (18)                                      | .40 (10.2) | .30 (7.7)  | 1,210                             |
| HM11-61803LF | 4 X 16    | 18 (1.02)                              | 1.15                                  | 3.7               | 28                                     | 10.5                    | 12.0            | .71 (18)                                      | .35 (8.9)  | .27 (6.8)  | 450                               |
| HM11-62004LF | 4 X 16    | 20 (0.81)                              | 1.80                                  | 6.9               | 20                                     | 8.5                     | 9.5             | .71 (18)                                      | .30 (7.6)  | .25 (6.4)  | 450                               |
| HM11-71001LF | 9 X 9     | 13.5 (1.72)                            | 0.19 ± 15%                            | 0.76              | -                                      | 33.0                    | 37.0            | .37 (9.5)                                     | .52 (13.2) | .51 (13)   | 500                               |

Notes: (1) Nominal bare wire diameter. (2) Electrical specifications at 25°C.

#### 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TT Electronics:](#)

[HM11-31503LF](#) [HM11-22005LF](#) [HM11-31804LF](#) [HM11-11302LF](#) [HM11-51301LF](#) [HM11-32005LF](#) [HM11-61301LF](#)