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## Electrical / Environmental

# HM62-2610

Surface Mount Power Inductors

- Operating Temperature Range -40°C to +85°C
- Operating Frequency Up to 3MHz



## Schematic

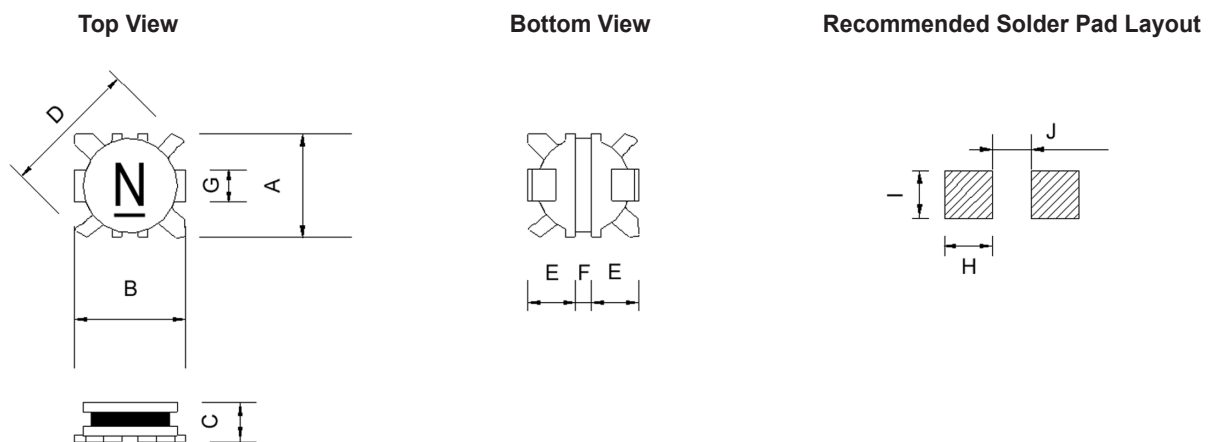


## Specifications @ 25°C / Packaging

| Part Number     | Inductance<br>100kHz, 0.1Vrms<br>@ 0 Adc |           | DCR<br>Ω<br>± 20% | I <sub>rated</sub> <sup>(1)</sup><br>(Adc)<br>Max. | I <sub>sat</sub> <sup>(2)</sup><br>(Adc)<br>Max. | Heating <sup>(3)</sup><br>Current<br>(Adc)<br>Max. | Marking<br>Code | 13" Reel<br>Qty<br>(Units) | Carton<br>Box<br>Qty<br>(Units) |
|-----------------|--|-----------|-------------------|--|--|--|-----------------|----------------------------|---------------------------------|
|                 | μH                                       | Tolerance |                   |  |  |  |                 |                            |                                 |
| HM62-26101R0NLF | 1.0                                      | ± 30%     | 0.092             | 1.40   | 1.77   | 1.55   | A               | 5,000                      | 50,000                          |
| HM62-26102R2MLF | 2.2                                      | ± 20%     | 0.179             | 1.00   | 1.30   | 1.28   | D               | 5,000                      | 50,000                          |
| HM62-26103R3MLF | 3.3                                      | ± 20%     | 0.219             | 0.85   | 1.10   | 0.98   | F               | 5,000                      | 50,000                          |
| HM62-26104R7MLF | 4.7                                      | ± 20%     | 0.282             | 0.70   | 0.95   | 0.86   | H               | 5,000                      | 50,000                          |
| HM62-26106R8MLF | 6.8                                      | ± 20%     | 0.453             | 0.61   | 0.75   | 0.73   | J               | 5,000                      | 50,000                          |
| HM62-2610100MLF | 10                                       | ± 20%     | 0.667             | 0.45   | 0.58   | 0.52   | L               | 5,000                      | 50,000                          |
| HM62-2610150MLF | 15                                       | ± 20%     | 0.857             | 0.40   | 0.50   | 0.43   | N               | 5,000                      | 50,000                          |
| HM62-2610220MLF | 22                                       | ± 20%     | 1.511             | 0.33   | 0.38   | 0.32   | Q               | 5,000                      | 50,000                          |

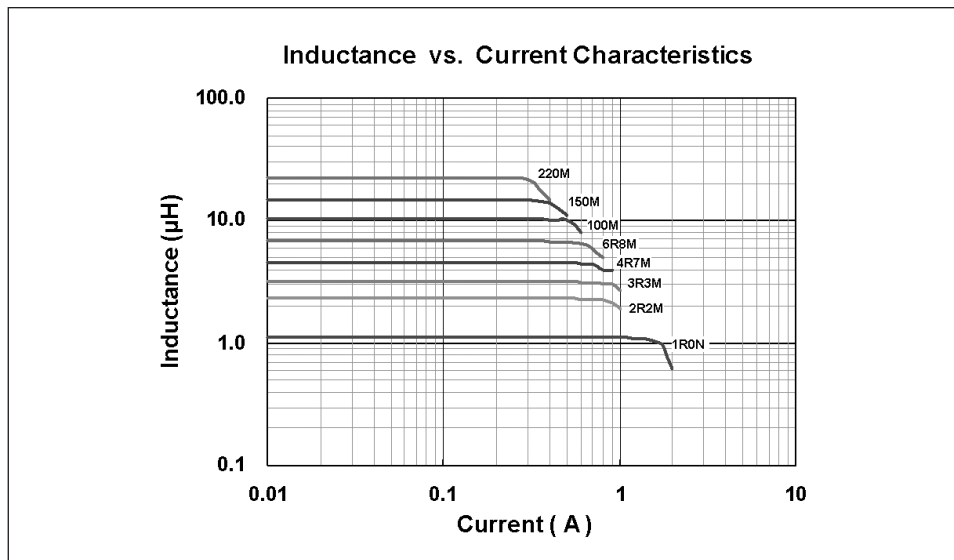
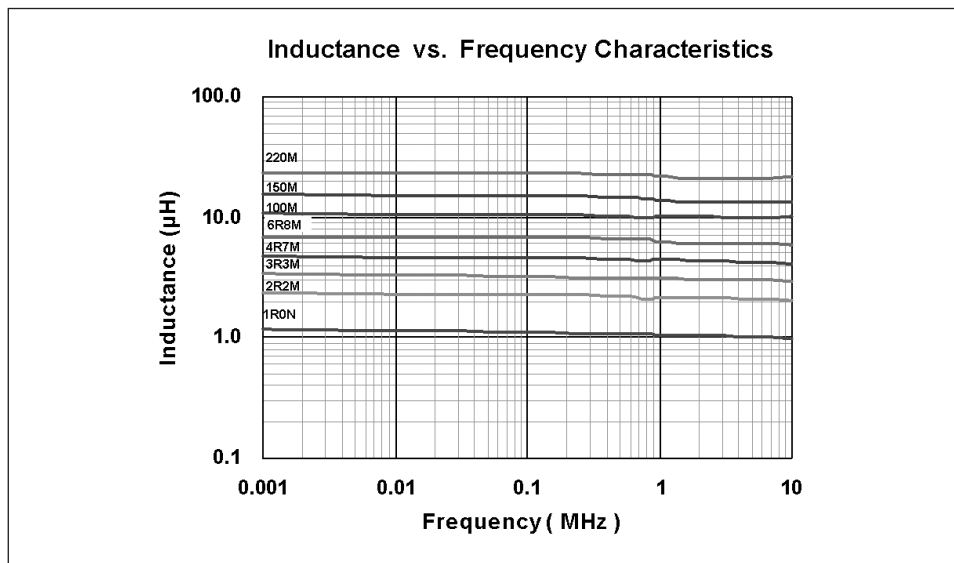
- Notes: (1) The rated current (I<sub>rated</sub>) is the current at which the inductance will be decreased by 10% from its initial (zero DC) value.  
 (2) The saturation current (I<sub>sat</sub>) is the current at which the inductance rolls off approximately 30% from its initial (zero DC) value.  
 (3) The heating current is the DC current which causes the inductor temperature to increase by approximately 40°C.

## Outline Dimensions (mm)

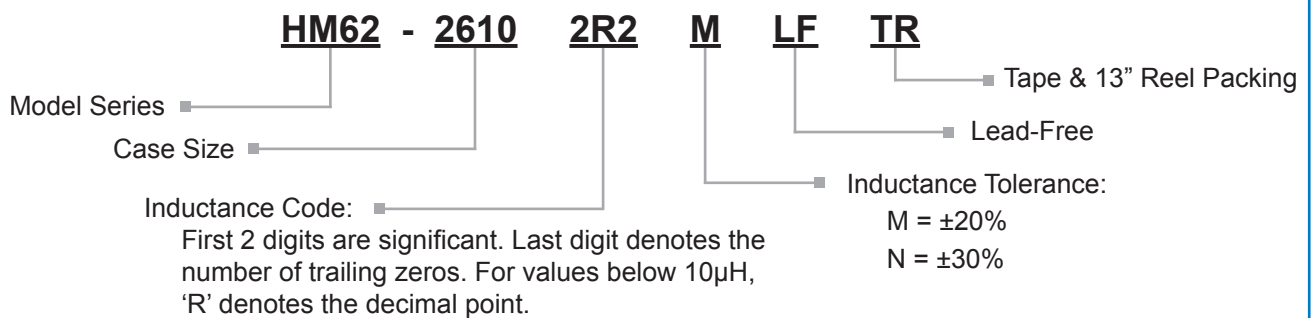


| A           | B           | C         | D         | E         | F         | G         | H   | I   | J   |
|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
| 2.60 ± 0.20 | 2.80 ± 0.20 | 1.00 Max. | 3.82 Max. | 1.15 Ref. | 0.50 Ref. | 0.80 Ref. | 1.2 | 1.2 | 1.0 |

## Electrical Characteristics @ 25°C



## Ordering Information





## Electrical / Environmental

# HM62-2815

Surface Mount Power Inductors

- Operating Temperature Range -40°C to +85°C
- Operating Frequency Up to 3MHz



## Schematic

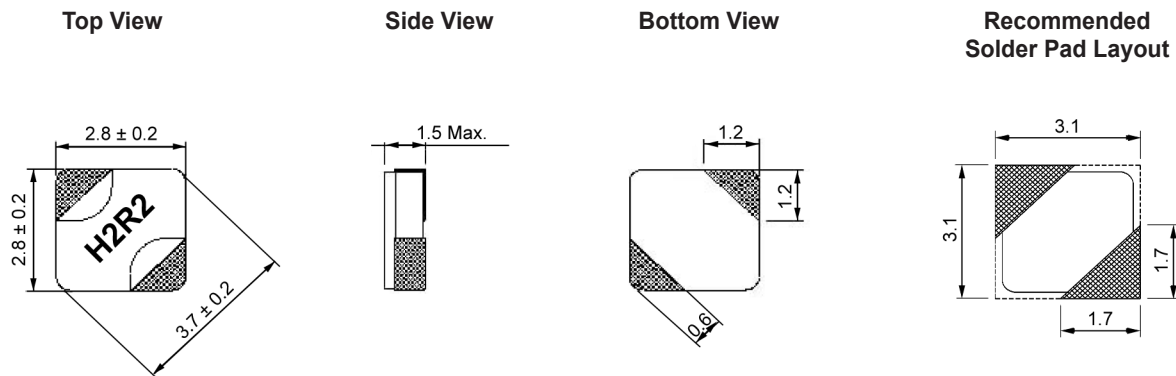


## Specifications @ 25°C / Packaging

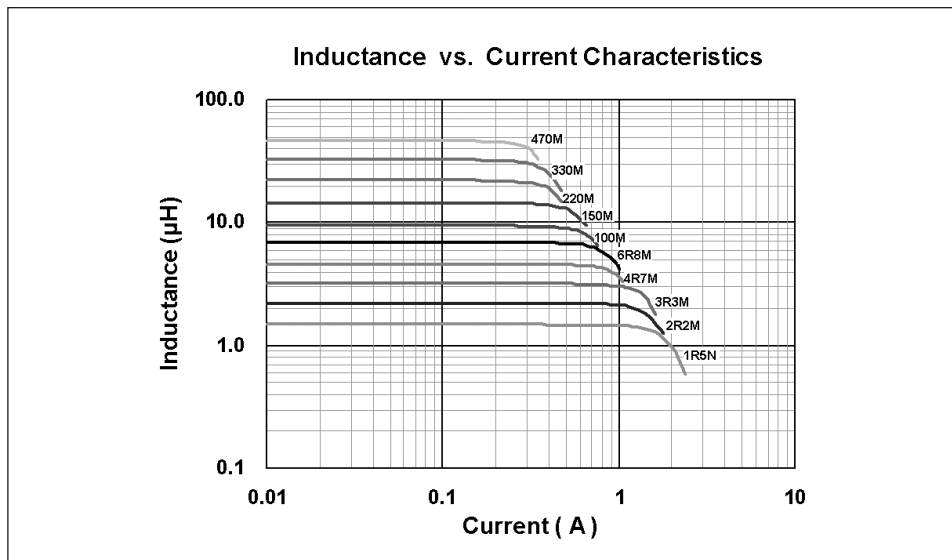
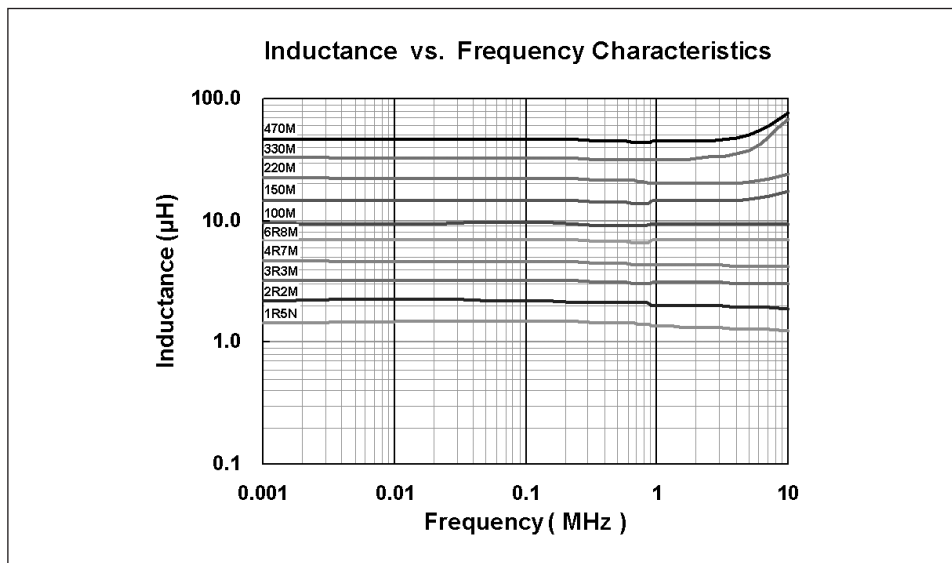
| Part Number     | Inductance<br>100kHz, 0.5Vrms<br>@ 0 Adc |       | DCR<br>Ω |       | I <sub>rated</sub> <sup>(1)</sup><br>(Adc) | I <sub>sat</sub> <sup>(2)</sup><br>(Adc) | Heating <sup>(3)</sup><br>Current<br>(Adc) | Marking<br>Code | 13" Reel<br>Qty<br>(Units) | Carton<br>Box<br>Qty<br>(Units) |
|-----------------|--|-------|----------|-------|--|--|--|-----------------|----------------------------|---------------------------------|
|                 | μH                                       | Tol.  | Typ.     | Max.  | Max.                                       | Max.                                     | Max.                                       |                 |                            |                                 |
| HM62-28151R5NLF | 1.5                                      | ± 30% | 0.062    | 0.069 | 1.05                                       | 1.65                                     | 1.65                                       | H1R5            | 4,000                      | 40,000                          |
| HM62-28152R2MLF | 2.2                                      | ± 20% | 0.084    | 0.098 | 0.87                                       | 1.40                                     | 1.40                                       | H2R2            | 4,000                      | 40,000                          |
| HM62-28153R3MLF | 3.3                                      | ± 20% | 0.123    | 0.140 | 0.70                                       | 1.10                                     | 1.20                                       | H3R3            | 4,000                      | 40,000                          |
| HM62-28154R7MLF | 4.7                                      | ± 20% | 0.172    | 0.190 | 0.70                                       | 0.90                                     | 1.10                                       | H4R7            | 4,000                      | 40,000                          |
| HM62-28156R8MLF | 6.8                                      | ± 20% | 0.254    | 0.270 | 0.60                                       | 0.85                                     | 0.90                                       | H6R8            | 4,000                      | 40,000                          |
| HM62-2815100MLF | 10                                       | ± 20% | 0.386    | 0.410 | 0.42                                       | 0.68                                     | 0.75                                       | H100            | 4,000                      | 40,000                          |
| HM62-2815150MLF | 15                                       | ± 20% | 0.497    | 0.520 | 0.26                                       | 0.58                                     | 0.65                                       | H150            | 4,000                      | 40,000                          |
| HM62-2815220MLF | 22                                       | ± 20% | 0.709    | 0.740 | 0.26                                       | 0.48                                     | 0.50                                       | H220            | 4,000                      | 40,000                          |
| HM62-2815330MLF | 33                                       | ± 20% | 1.116    | 1.250 | 0.21                                       | 0.35                                     | 0.40                                       | H330            | 4,000                      | 40,000                          |
| HM62-2815470MLF | 47                                       | ± 20% | 1.835    | 1.980 | 0.20                                       | 0.30                                     | 0.30                                       | H470            | 4,000                      | 40,000                          |

- Notes: (1) The rated current (I<sub>rated</sub>) is the current at which the inductance will be decreased by 10% from its initial (zero DC) value.  
 (2) The saturation current (I<sub>sat</sub>) is the current at which the inductance rolls off approximately 35% from its initial (zero DC) value.  
 (3) The heating current is the DC current which causes the inductor temperature to increase by approximately 40°C.

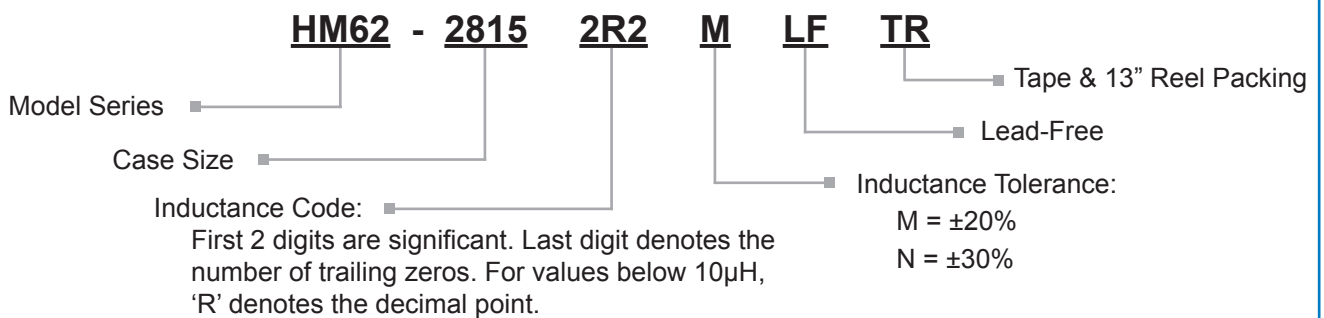
## Outline Dimensions (mm)



## Electrical Characteristics @ 25°C



## Ordering Information



Electrical / Environmental

# HM62-3214

Surface Mount Power Inductors

- Operating Temperature Range -40°C to +85°C
- Operating Frequency Up to 3MHz



Schematic

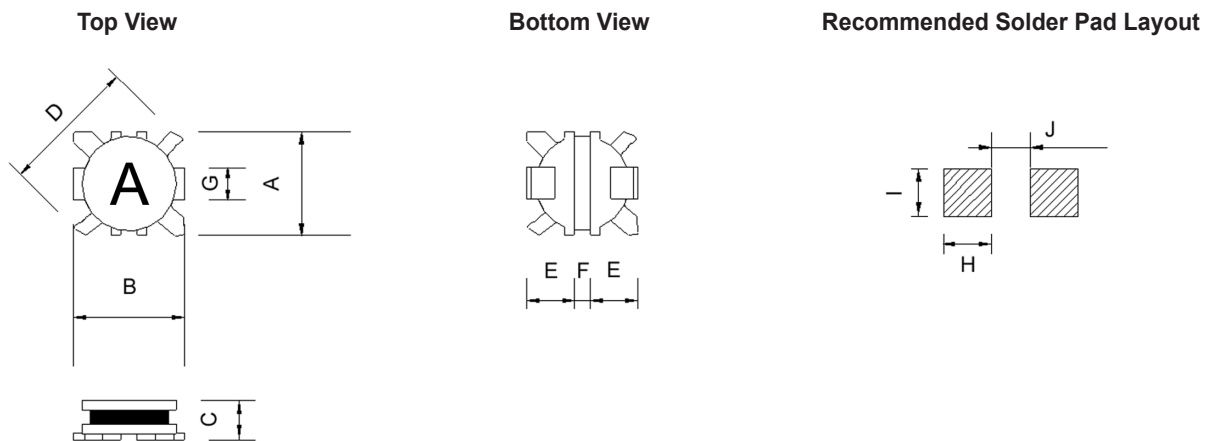


Specifications @ 25°C / Packaging

| Part Number     | Inductance<br>100kHz, 0.1Vrms<br>@ 0 Adc |           | DCR<br>Ω<br>±20% | I <sub>rated</sub> <sup>(1)</sup><br>(A dc)<br>Max. | I <sub>sat</sub> <sup>(2)</sup><br>(A dc)<br>Max. | Heating <sup>(3)</sup><br>Current<br>(A dc)<br>Max. | Marking<br>Code | 13" Reel<br>Qty<br>(Units) | Carton<br>Box<br>Qty<br>(Units) |
|-----------------|--|-----------|------------------|---|---|---|-----------------|----------------------------|---------------------------------|
|                 | μH                                       | Tolerance |                  |   |   |   |                 |                            |                                 |
| HM62-32141R0MLF | 1.0                                      | ± 20%     | 0.088            | 2.10  | 3.35  | 1.70  | A               | 4,000                      | 40,000                          |
| HM62-32141R5MLF | 1.5                                      | ± 20%     | 0.120            | 2.00  | 2.70  | 1.40  | B               | 4,000                      | 40,000                          |
| HM62-32142R2MLF | 2.2                                      | ± 20%     | 0.153            | 1.60  | 2.30  | 1.30  | D               | 4,000                      | 40,000                          |
| HM62-32143R3MLF | 3.3                                      | ± 20%     | 0.193            | 1.40  | 1.90  | 1.20  | F               | 4,000                      | 40,000                          |
| HM62-32144R7MLF | 4.7                                      | ± 20%     | 0.290            | 1.20  | 1.60  | 0.90  | H               | 4,000                      | 40,000                          |
| HM62-32146R8MLF | 6.8                                      | ± 20%     | 0.356            | 0.92  | 1.35  | 0.80  | J               | 4,000                      | 40,000                          |
| HM62-32148R2MLF | 8.2                                      | ± 20%     | 0.495            | 0.90  | 1.20  | 0.65  | K               | 4,000                      | 40,000                          |
| HM62-3214100MLF | 10                                       | ± 20%     | 0.547            | 0.80  | 1.05  | 0.60  | L               | 4,000                      | 40,000                          |
| HM62-3214150MLF | 15                                       | ± 20%     | 0.696            | 0.68  | 0.92  | 0.55  | N               | 4,000                      | 40,000                          |
| HM62-3214220MLF | 22                                       | ± 20%     | 0.942            | 0.56  | 0.75  | 0.45  | Q               | 4,000                      | 40,000                          |
| HM62-3214330MLF | 33                                       | ± 20%     | 1.264            | 0.51  | 0.63  | 0.40  | P               | 4,000                      | 40,000                          |
| HM62-3214101MLF | 100                                      | ± 20%     | 4.042            | 0.28  | 0.35  | 0.20  | S               | 4,000                      | 40,000                          |

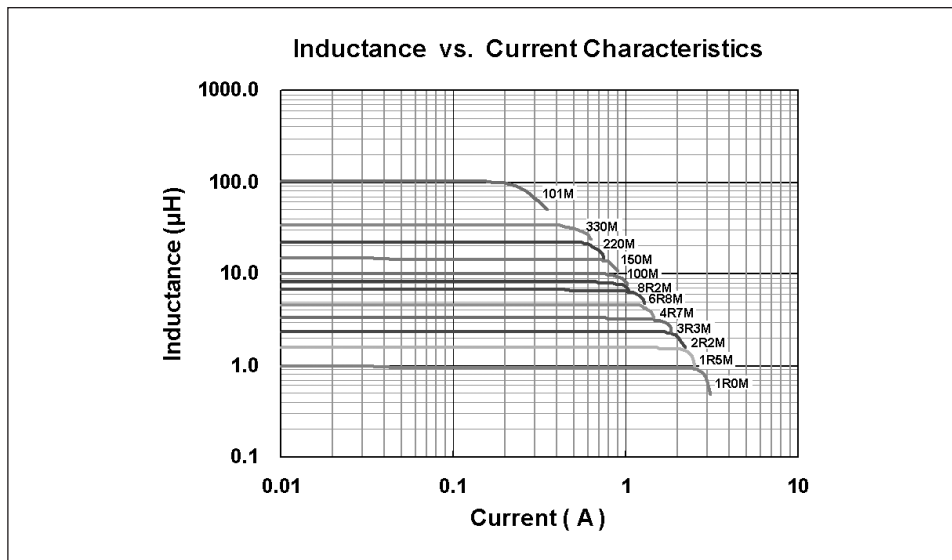
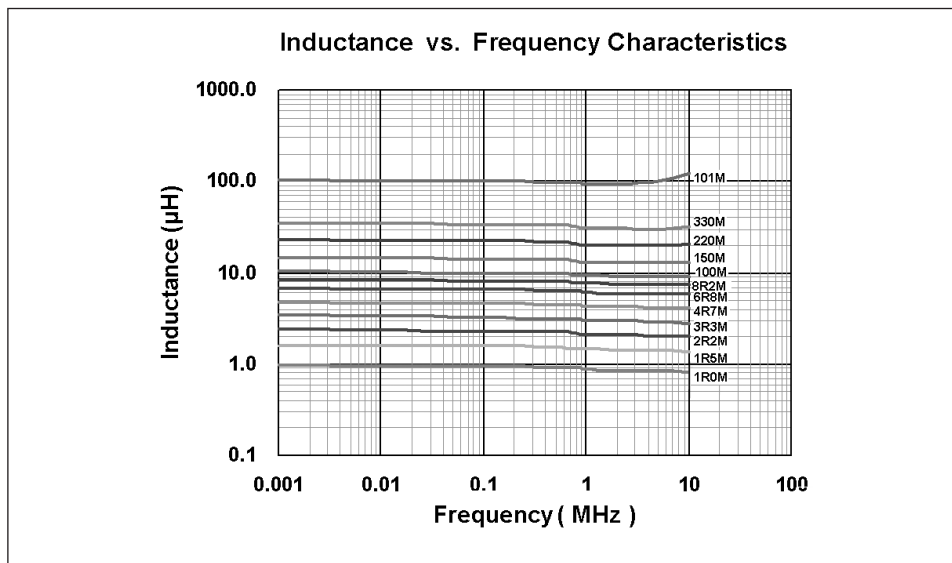
Notes: (1) The rated current (I<sub>rated</sub>) is the current at which the inductance will be decreased by 10% from its initial (zero DC) value.  
 (2) The saturation current (I<sub>sat</sub>) is the current at which the inductance rolls off approximately 30% from its initial (zero DC) value.  
 (3) The heating current is the DC current which causes the inductor temperature to increase by approximately 40°C.

Outline Dimensions (mm)

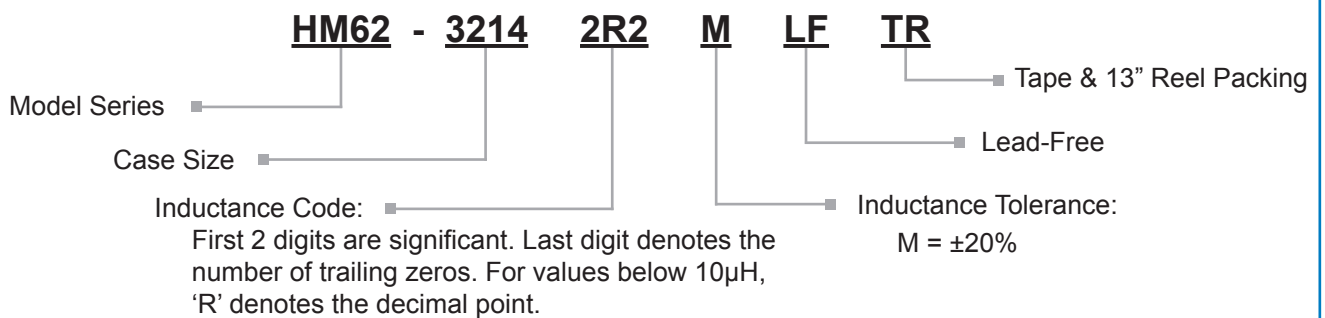


| A           | B           | C         | D         | E         | F         | G         | H   | I   | J   |
|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
| 3.20 ± 0.30 | 3.20 ± 0.30 | 1.40 Max. | 4.50 Max. | 1.25 Ref. | 0.70 Ref. | 1.00 Ref. | 1.2 | 1.4 | 1.4 |

## Electrical Characteristics @ 25°C



## Ordering Information



Electrical / Environmental

# HM62-3715

Surface Mount Power Inductors

- Operating Temperature Range -40°C to +85°C
- Operating Frequency Up to 3MHz



Schematic

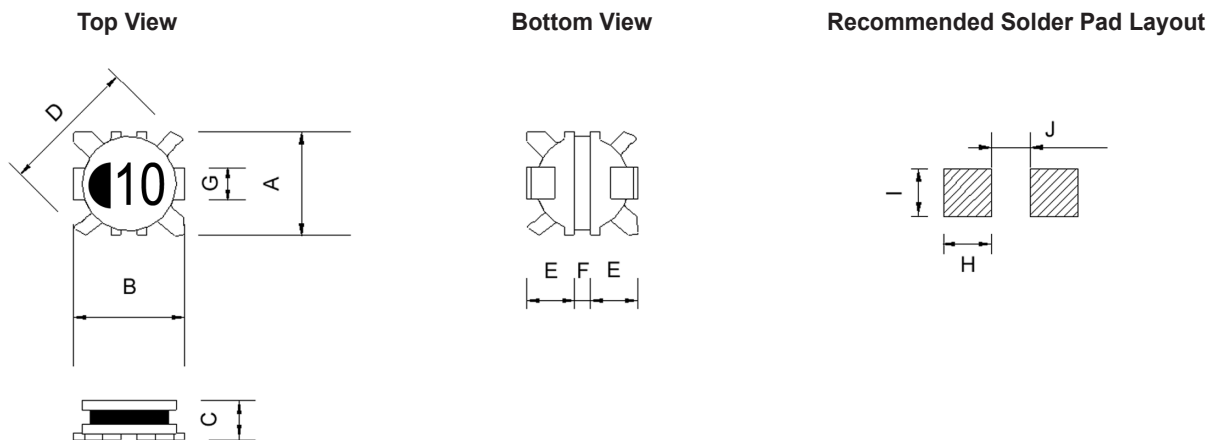


Specifications @ 25°C / Packaging

| Part Number     | Inductance<br>100kHz, 0.1Vrms<br>@ 0 Adc |           | DCR<br>Ω<br>±20% | I <sub>rated</sub> <sup>(1)</sup><br>(Adc)<br>Max. | I <sub>sat</sub> <sup>(2)</sup><br>(Adc)<br>Max. | Heating <sup>(3)</sup><br>Current<br>(Adc)<br>Max. | Marking<br>Code | 13" Reel<br>Qty<br>(Units) | Carton<br>Box<br>Qty<br>(Units) |
|-----------------|--|-----------|------------------|--|--|--|-----------------|----------------------------|---------------------------------|
|                 | μH                                       | Tolerance |                  |  |  |  |                 |                            |                                 |
| HM62-37152R2MLF | 2.2                                      | ± 20%     | 0.072            | 1.90   | 2.60   | 1.90   | 10              | 4,000                      | 40,000                          |
| HM62-37153R3MLF | 3.3                                      | ± 20%     | 0.098            | 1.70   | 2.20   | 1.70   | 3.3             | 4,000                      | 40,000                          |
| HM62-37154R7MLF | 4.7                                      | ± 20%     | 0.148            | 1.40   | 1.90   | 1.35   | 4.7             | 4,000                      | 40,000                          |
| HM62-37156R8MLF | 6.8                                      | ± 20%     | 0.202            | 1.20   | 1.50   | 1.15   | 6.8             | 4,000                      | 40,000                          |
| HM62-3715100MLF | 10                                       | ± 20%     | 0.286            | 0.90   | 1.25   | 0.88   | 10              | 4,000                      | 40,000                          |
| HM62-3715150MLF | 15                                       | ± 20%     | 0.419            | 0.70   | 1.00   | 0.70   | 15              | 4,000                      | 40,000                          |
| HM62-3715220MLF | 22                                       | ± 20%     | 0.622            | 0.60   | 0.85   | 0.60   | 22              | 4,000                      | 40,000                          |
| HM62-3715330MLF | 33                                       | ± 20%     | 0.980            | 0.50   | 0.70   | 0.47   | 33              | 4,000                      | 40,000                          |
| HM62-3715470MLF | 47                                       | ± 20%     | 1.456            | 0.40   | 0.52   | 0.38   | 47              | 4,000                      | 40,000                          |
| HM62-3715221MLF | 220                                      | ± 20%     | 6.252            | 0.21   | 0.29   | 0.18   | 221             | 4,000                      | 40,000                          |

Notes: (1) The rated current (I<sub>rated</sub>) is the current at which the inductance will be decreased by 10% from its initial (zero DC) value.  
 (2) The saturation current (I<sub>sat</sub>) is the current at which the inductance rolls off approximately 30% from its initial (zero DC) value.  
 (3) The heating current is the DC current which causes the inductor temperature to increase by approximately 40°C.

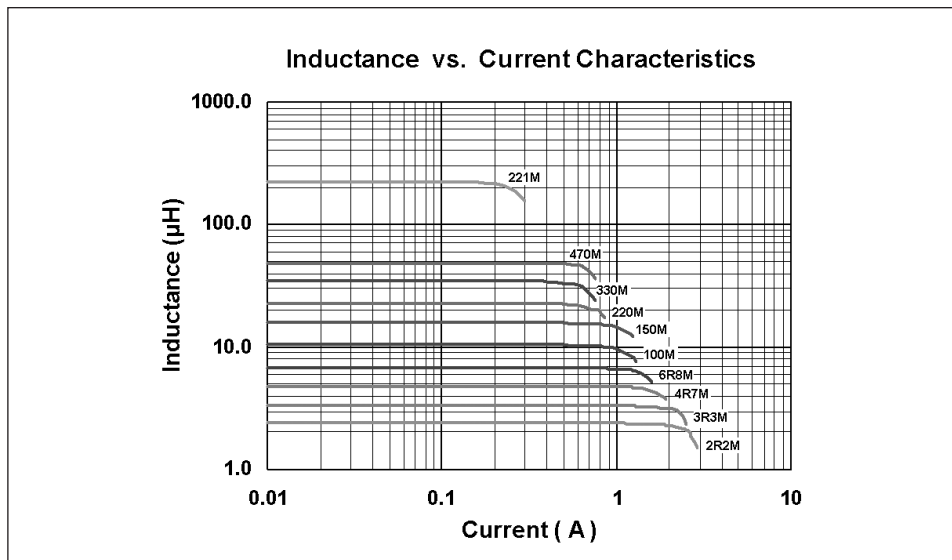
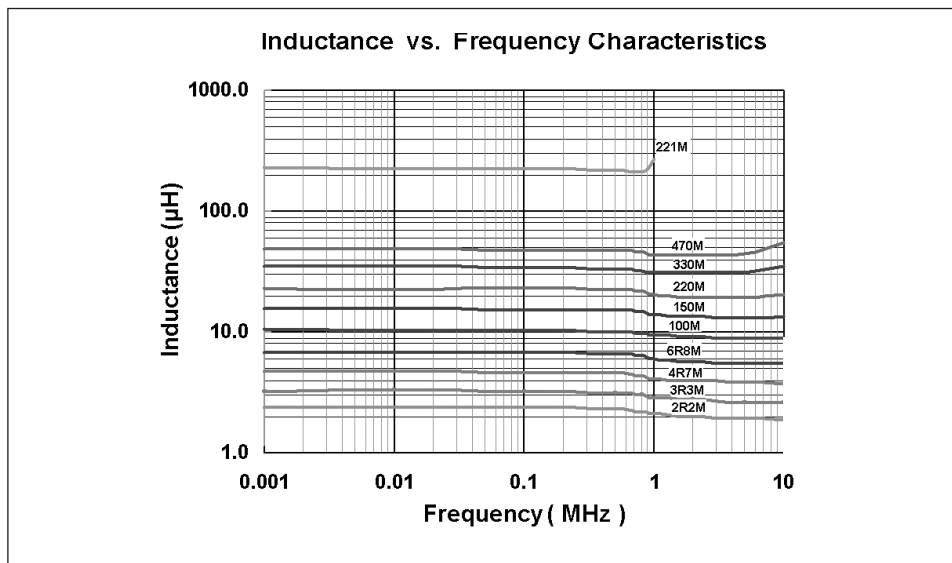
Outline Dimensions (mm)



| A           | B           | C         | D         | E         | F         | G         | H    | I   | J   |
|-------------|-------------|-----------|-----------|-----------|-----------|-----------|------|-----|-----|
| 3.70 ± 0.30 | 3.70 ± 0.30 | 1.50 Max. | 5.20 Max. | 1.50 Ref. | 0.70 Ref. | 1.00 Ref. | 1.45 | 1.2 | 1.0 |



## Electrical Characteristics @ 25°C



## Ordering Information

