

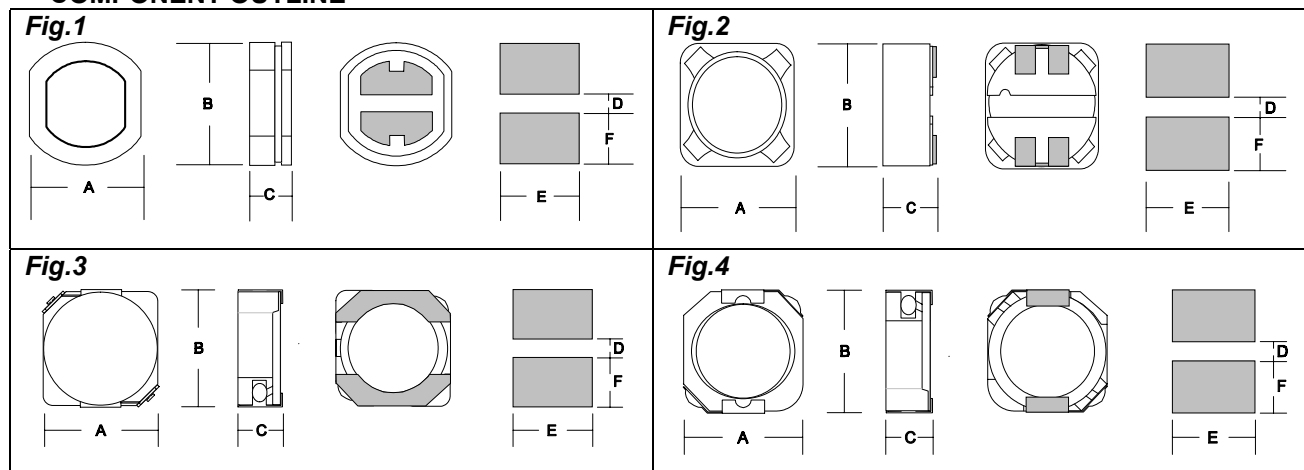
## CDRHxxxR / CDRHxDxx / CDR / CDRH Series

- Ferrite Shielded
- Up to 8 Amps
- Competitive Prices
- Low Profile to 2.0mm
- Typical Reel Size 1000pcs



The **CDR** / **CDRH** series of ferrite shielded inductors exhibit excellent current handling characteristics.

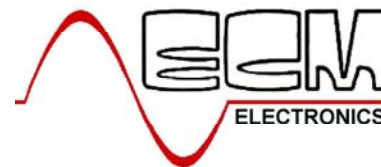
### COMPONENT OUTLINE



### DIMENSIONS

| ECM Type | Inductance Range | Fig. | A (mm) | B     | C    | D    | E    | F    |
|----------|------------------|------|--------|-------|------|------|------|------|
| CDRH103R | 10uH ~ 150uH     | 4    | 10.30  | 10.40 | 3.00 | 7.30 | 3.00 | 1.70 |
| CDRH104R | 1.3uH ~ 330uH    | 4    | 10.30  | 10.40 | 4.00 | 7.30 | 3.00 | 1.70 |
| CDRH105R | 10uH ~ 1mH       | 4    | 10.30  | 10.40 | 5.00 | 7.30 | 3.00 | 1.70 |
| CDRH4D18 | 1.0uH ~ 39uH     | 3    | 4.70   | 4.70  | 2.00 | 1.50 | 5.30 | 1.90 |
| CDRH4D28 | 1.2uH ~ 180uH    | 3    | 4.70   | 4.70  | 3.00 | 1.50 | 5.30 | 1.90 |
| CDRH5D18 | 4.1uH ~ 100uH    | 3    | 5.70   | 5.70  | 2.00 | 2.00 | 6.30 | 2.15 |
| CDRH5D28 | 2.6uH ~ 100uH    | 3    | 5.70   | 5.70  | 3.00 | 2.00 | 6.30 | 2.15 |
| CDRH6D28 | 3.0uH ~ 100uH    | 3    | 6.70   | 6.70  | 3.00 | 2.00 | 7.30 | 2.65 |
| CDRH6D38 | 3.3uH ~ 100uH    | 3    | 6.70   | 6.70  | 4.00 | 2.00 | 7.30 | 2.65 |
| CDRH73   | 10uH ~ 1.0mH     | 2    | 7.30   | 7.30  | 3.20 | 4.80 | 2.20 | 1.60 |
| CDRH74   | 10uH ~ 1.0mH     | 2    | 7.30   | 7.30  | 4.50 | 4.80 | 2.20 | 1.60 |
| CDRH125  | 2.1uH ~ 1.0mH    | 2    | 12.00  | 12.00 | 6.00 | 7.00 | 5.40 | 2.90 |
| CDRH127  | 2.4uH ~ 1.0mH    | 2    | 12.00  | 12.00 | 8.00 | 7.00 | 5.40 | 2.90 |
| CDR63B   | 10uH ~ 68uH      | 1    | 5.60   | 6.20  | 3.20 | 1.70 | 5.50 | 2.25 |
| CDR74B   | 10uH ~ 270uH     | 1    | 7.00   | 7.80  | 4.50 | 2.00 | 7.50 | 4.00 |
| CDR105B  | 10uH ~ 470uH     | 1    | 9.00   | 10.00 | 5.00 | 2.50 | 9.50 | 5.00 |

# ECM Surface Mount Power Inductors



| <b>ECM<br/>Part</b> | <b>L<br/>(<math>\mu</math>H)</b> | <b>Tol<br/>%</b> | <b>R<sub>DC</sub><br/>MAX<br/>(m<math>\Omega</math>)</b> | <b>I<sub>DC</sub><br/>I<sub>N</sub><br/>(A)</b> |
|---------------------|----------------------------------|------------------|----------------------------------------------------------|-------------------------------------------------|
|---------------------|----------------------------------|------------------|----------------------------------------------------------|-------------------------------------------------|

## CDRH103R Series

|              |              |   |       |      |
|--------------|--------------|---|-------|------|
| CDRH103R-100 | 10 @ 100kHz  | N | 58.1  | 2.70 |
| CDRH103R-120 | 12 @ 100kHz  | N | 72.1  | 2.25 |
| CDRH103R-150 | 15 @ 100kHz  | N | 86.5  | 2.22 |
| CDRH103R-180 | 18 @ 100kHz  | N | 116.1 | 1.90 |
| CDRH103R-220 | 22 @ 100kHz  | N | 145.4 | 1.78 |
| CDRH103R-270 | 27 @ 100kHz  | N | 175.9 | 1.63 |
| CDRH103R-330 | 33 @ 100kHz  | N | 213.4 | 1.16 |
| CDRH103R-390 | 39 @ 100kHz  | N | 268.9 | 1.32 |
| CDRH103R-470 | 47 @ 100kHz  | N | 298.6 | 1.18 |
| CDRH103R-560 | 56 @ 100kHz  | N | 335.8 | 1.10 |
| CDRH103R-680 | 68 @ 100kHz  | N | 451.3 | 1.04 |
| CDRH103R-820 | 82 @ 100kHz  | N | 513.8 | 0.94 |
| CDRH103R-101 | 100 @ 100kHz | N | 700.0 | 0.84 |
| CDRH103R-121 | 120 @ 100kHz | N | 765.0 | 0.76 |
| CDRH103R-151 | 150 @ 100kHz | N | 876.3 | 0.70 |

## CDRH104R Series

|              |              |   |      |       |
|--------------|--------------|---|------|-------|
| CDRH104R-1R3 | 1.3 @ 100kHz | N | 8.1  | 10.00 |
| CDRH104R-2R5 | 2.5 @ 100kHz | N | 10   | 7.50  |
| CDRH104R-3R8 | 3.8 @ 100kHz | N | 13   | 6.00  |
| CDRH104R-5R2 | 5.2 @ 100kHz | N | 22   | 5.50  |
| CDRH104R-7R0 | 7.0 @ 100kHz | N | 27   | 4.80  |
| CDRH104R-100 | 10 @ 100kHz  | N | 35   | 4.40  |
| CDRH104R-150 | 15 @ 100kHz  | N | 50   | 3.60  |
| CDRH104R-220 | 22 @ 100kHz  | N | 73   | 2.90  |
| CDRH104R-330 | 33 @ 100kHz  | N | 93   | 2.30  |
| CDRH104R-470 | 47 @ 100kHz  | N | 128  | 2.10  |
| CDRH104R-680 | 68 @ 100kHz  | N | 213  | 1.50  |
| CDRH104R-101 | 100 @ 100kHz | N | 304  | 1.35  |
| CDRH104R-151 | 150 @ 100kHz | N | 506  | 1.15  |
| CDRH104R-221 | 220 @ 100kHz | N | 756  | 0.92  |
| CDRH104R-331 | 330 @ 100kHz | N | 1090 | 0.70  |

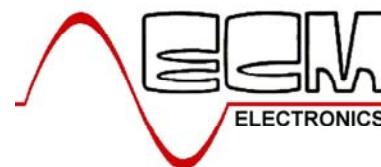
## CDRH105R Series

|              |               |   |        |      |
|--------------|---------------|---|--------|------|
| CDRH105R-100 | 10 @ 100kHz   | N | 25.8   | 3.45 |
| CDRH105R-120 | 12 @ 100kHz   | N | 32.0   | 3.40 |
| CDRH105R-150 | 15 @ 100kHz   | N | 40.0   | 2.83 |
| CDRH105R-180 | 18 @ 100kHz   | N | 46.0   | 2.62 |
| CDRH105R-220 | 22 @ 100kHz   | N | 58.5   | 2.44 |
| CDRH105R-270 | 27 @ 100kHz   | N | 65.4   | 2.24 |
| CDRH105R-330 | 33 @ 100kHz   | N | 81.4   | 1.88 |
| CDRH105R-390 | 39 @ 100kHz   | N | 103.1  | 1.70 |
| CDRH105R-470 | 47 @ 100kHz   | N | 122.1  | 1.56 |
| CDRH105R-560 | 56 @ 100kHz   | N | 144.8  | 1.39 |
| CDRH105R-680 | 68 @ 100kHz   | N | 193.0  | 1.36 |
| CDRH105R-820 | 82 @ 100kHz   | N | 219.4  | 1.20 |
| CDRH105R-101 | 100 @ 100kHz  | N | 247.0  | 1.09 |
| CDRH105R-121 | 120 @ 100kHz  | N | 298.4  | 1.00 |
| CDRH105R-151 | 150 @ 100kHz  | N | 355.1  | 0.91 |
| CDRH105R-181 | 180 @ 100kHz  | N | 393.4  | 0.84 |
| CDRH105R-221 | 220 @ 100kHz  | N | 483.8  | 0.75 |
| CDRH105R-271 | 270 @ 100kHz  | N | 632.5  | 0.68 |
| CDRH105R-331 | 330 @ 100kHz  | N | 780.0  | 0.60 |
| CDRH105R-391 | 390 @ 100kHz  | N | 957.5  | 0.57 |
| CDRH105R-471 | 470 @ 100kHz  | N | 1220.4 | 0.50 |
| CDRH105R-561 | 560 @ 100kHz  | N | 1352.4 | 0.47 |
| CDRH105R-681 | 680 @ 100kHz  | N | 1519.2 | 0.43 |
| CDRH105R-821 | 820 @ 100kHz  | N | 1694.4 | 0.39 |
| CDRH105R-102 | 1000 @ 100kHz | N | 1946.4 | 0.35 |

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK  
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: sales@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

# ECM Surface Mount Power Inductors



| <b>ECM<br/>Part</b> | <b>L<br/>(<math>\mu</math>H)</b> | <b>Tol<br/>%</b> | <b>R<sub>DC</sub><br/>MAX<br/>(<math>\Omega</math>)</b> | <b>I<sub>DC</sub><br/>I<sub>N</sub><br/>(A)</b> |
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|

## CDRH4D18 Series

|              |                |   |       |      |
|--------------|----------------|---|-------|------|
| CDRH4D18-1R0 | 1.0uH @ 100kHz | N | 0.045 | 1.72 |
| CDRH4D18-2R2 | 2.2uH @ 100kHz | N | 0.075 | 1.32 |
| CDRH4D18-2R7 | 2.7uH @ 100kHz | N | 0.105 | 1.28 |
| CDRH4D18-3R3 | 3.3uH @ 100kHz | N | 0.110 | 1.04 |
| CDRH4D18-3R9 | 3.9uH @ 100kHz | N | 0.155 | 0.88 |
| CDRH4D18-4R7 | 4.7uH @ 100kHz | N | 0.162 | 0.84 |
| CDRH4D18-5R6 | 5.6uH @ 100kHz | N | 0.170 | 0.80 |
| CDRH4D18-6R8 | 6.8uH @ 100kHz | N | 0.200 | 0.76 |
| CDRH4D18-8R2 | 8.2uH @ 100kHz | N | 0.245 | 0.68 |
| CDRH4D18-100 | 10uH @ 100kHz  | N | 0.200 | 0.61 |
| CDRH4D18-120 | 12uH @ 100kHz  | N | 0.210 | 0.56 |
| CDRH4D18-150 | 15uH @ 100kHz  | N | 0.240 | 0.50 |
| CDRH4D18-180 | 18uH @ 100kHz  | N | 0.338 | 0.48 |
| CDRH4D18-220 | 22uH @ 100kHz  | N | 0.397 | 0.41 |
| CDRH4D18-270 | 27uH @ 100kHz  | N | 0.441 | 0.35 |
| CDRH4D18-330 | 33uH @ 100kHz  | N | 0.694 | 0.32 |
| CDRH4D18-390 | 39uH @ 100kHz  | N | 0.709 | 0.30 |

## CDRH4D28 Series

|              |                |   |        |      |
|--------------|----------------|---|--------|------|
| CDRH4D28-1R2 | 1.2uH @ 100kHz | N | 0.0236 | 2.56 |
| CDRH4D28-1R8 | 1.8uH @ 100kHz | N | 0.0275 | 2.20 |
| CDRH4D28-2R2 | 2.2uH @ 100kHz | N | 0.0313 | 2.04 |
| CDRH4D28-2R7 | 2.7uH @ 100kHz | N | 0.0433 | 1.60 |
| CDRH4D28-3R3 | 3.3uH @ 100kHz | N | 0.0492 | 1.57 |
| CDRH4D28-3R9 | 3.9uH @ 100kHz | N | 0.0648 | 1.44 |
| CDRH4D28-4R7 | 4.7uH @ 100kHz | N | 0.0720 | 1.32 |
| CDRH4D28-5R6 | 5.6uH @ 100kHz | N | 0.1009 | 1.17 |
| CDRH4D28-6R8 | 6.8uH @ 100kHz | N | 0.1089 | 1.12 |
| CDRH4D28-8R2 | 8.2uH @ 100kHz | N | 0.1175 | 1.04 |
| CDRH4D28-100 | 10uH @ 100kHz  | N | 0.1283 | 1.00 |
| CDRH4D28-120 | 12uH @ 100kHz  | N | 0.1316 | 0.84 |
| CDRH4D28-150 | 15uH @ 100kHz  | N | 0.1490 | 0.76 |
| CDRH4D28-180 | 18uH @ 100kHz  | N | 0.1660 | 0.72 |
| CDRH4D28-220 | 22uH @ 100kHz  | N | 0.2350 | 0.70 |
| CDRH4D28-270 | 27uH @ 100kHz  | N | 0.2610 | 0.58 |
| CDRH4D28-330 | 33uH @ 100kHz  | N | 0.3780 | 0.56 |
| CDRH4D28-390 | 39uH @ 100kHz  | N | 0.3837 | 0.50 |
| CDRH4D28-470 | 47uH @ 100kHz  | N | 0.5870 | 0.48 |
| CDRH4D28-560 | 56uH @ 100kHz  | N | 0.6245 | 0.41 |
| CDRH4D28-680 | 68uH @ 100kHz  | N | 0.6990 | 0.35 |
| CDRH4D28-820 | 82uH @ 100kHz  | N | 0.9148 | 0.32 |
| CDRH4D28-101 | 100uH @ 100kHz | N | 1.0200 | 0.29 |
| CDRH4D28-121 | 120uH @ 100kHz | N | 1.2700 | 0.27 |
| CDRH4D28-151 | 150uH @ 100kHz | N | 1.3500 | 0.24 |
| CDRH4D28-181 | 180uH @ 100kHz | N | 1.5400 | 0.22 |

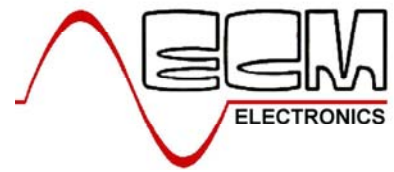
## CDRH5D18 Series

|              |             |   |       |      |
|--------------|-------------|---|-------|------|
| CDRH5D18-4R1 | 4.1 @ 10kHz | N | 0.057 | 1.95 |
| CDRH5D18-5R4 | 5.4 @ 10kHz | N | 0.076 | 1.60 |
| CDRH5D18-6R2 | 6.2 @ 10kHz | N | 0.096 | 1.40 |
| CDRH5D18-8R9 | 8.9 @ 10kHz | N | 0.116 | 1.25 |
| CDRH5D18-100 | 10 @ 10kHz  | N | 0.124 | 1.20 |
| CDRH5D18-120 | 12 @ 10kHz  | N | 0.153 | 1.10 |
| CDRH5D18-150 | 15 @ 10kHz  | N | 0.196 | 0.97 |
| CDRH5D18-180 | 18 @ 10kHz  | N | 0.210 | 0.85 |
| CDRH5D18-220 | 22 @ 10kHz  | N | 0.290 | 0.80 |
| CDRH5D18-270 | 27 @ 10kHz  | N | 0.330 | 0.75 |
| CDRH5D18-330 | 33 @ 10kHz  | N | 0.386 | 0.65 |
| CDRH5D18-390 | 39 @ 10kHz  | N | 0.520 | 0.57 |

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK  
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: sales@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

# ECM Surface Mount Power Inductors



| <b>ECM<br/>Part</b> | <b>L<br/>(<math>\mu</math>H)</b> | <b>Tol<br/>%</b> | <b>R<sub>DC</sub><br/>MAX<br/>(<math>\Omega</math>)</b> | <b>I<sub>DC</sub><br/>I<sub>N</sub><br/>(A)</b> |
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|

## CDRH5D18 Series continued...

|              |             |   |       |      |
|--------------|-------------|---|-------|------|
| CDRH5D18-470 | 47 @ 10kHz  | N | 0.595 | 0.54 |
| CDRH5D18-560 | 56 @ 10kHz  | N | 0.665 | 0.50 |
| CDRH5D18-680 | 68 @ 10kHz  | N | 0.840 | 0.43 |
| CDRH5D18-820 | 82 @ 10kHz  | N | 0.978 | 0.41 |
| CDRH5D18-101 | 100 @ 10kHz | N | 1.200 | 0.36 |

## CDRH5D28 Series

|              |               |   |       |      |
|--------------|---------------|---|-------|------|
| CDRH5D28-2R6 | 2.6uH @ 10kHz | N | 0.018 | 2.60 |
| CDRH5D28-3R0 | 3.0uH @ 10kHz | N | 0.024 | 2.40 |
| CDRH5D28-4R2 | 4.2uH @ 10kHz | N | 0.031 | 2.20 |
| CDRH5D28-5R3 | 5.3uH @ 10kHz | N | 0.038 | 1.90 |
| CDRH5D28-6R2 | 6.2uH @ 10kHz | N | 0.045 | 1.80 |
| CDRH5D28-8R2 | 8.2uH @ 10kHz | N | 0.053 | 1.60 |
| CDRH5D28-100 | 10uH @ 10kHz  | N | 0.065 | 1.30 |
| CDRH5D28-120 | 12uH @ 10kHz  | N | 0.076 | 1.20 |
| CDRH5D28-150 | 15uH @ 10kHz  | N | 0.103 | 1.10 |
| CDRH5D28-180 | 18uH @ 10kHz  | N | 0.110 | 1.00 |
| CDRH5D28-220 | 22uH @ 10kHz  | N | 0.122 | 0.90 |
| CDRH5D28-270 | 27uH @ 10kHz  | N | 0.175 | 0.85 |
| CDRH5D28-330 | 33uH @ 10kHz  | N | 0.189 | 0.75 |
| CDRH5D28-390 | 39uH @ 10kHz  | N | 0.212 | 0.70 |
| CDRH5D28-470 | 47uH @ 10kHz  | N | 0.260 | 0.62 |
| CDRH5D28-560 | 56uH @ 10kHz  | N | 0.305 | 0.58 |
| CDRH5D28-680 | 68uH @ 10kHz  | N | 0.355 | 0.52 |
| CDRH5D28-820 | 82uH @ 10kHz  | N | 0.463 | 0.46 |
| CDRH5D28-101 | 100uH @ 10kHz | N | 0.520 | 0.42 |

## CDRH6D28 Series

|              |               |   |       |      |
|--------------|---------------|---|-------|------|
| CDRH6D28-3R0 | 3.0uH @ 10kHz | N | 0.024 | 3.00 |
| CDRH6D28-3R9 | 3.9uH @ 10kHz | N | 0.027 | 2.60 |
| CDRH6D28-5R0 | 5.0uH @ 10kHz | N | 0.031 | 2.40 |
| CDRH6D28-6R0 | 6.0uH @ 10kHz | N | 0.035 | 2.25 |
| CDRH6D28-7R3 | 7.3uH @ 10kHz | N | 0.054 | 2.10 |
| CDRH6D28-8R6 | 8.6uH @ 10kHz | N | 0.058 | 1.85 |
| CDRH6D28-100 | 10uH @ 10kHz  | N | 0.065 | 1.70 |
| CDRH6D28-120 | 12uH @ 10kHz  | N | 0.070 | 1.55 |
| CDRH6D28-150 | 15uH @ 10kHz  | N | 0.084 | 1.40 |
| CDRH6D28-180 | 18uH @ 10kHz  | N | 0.095 | 1.32 |
| CDRH6D28-220 | 22uH @ 10kHz  | N | 0.128 | 1.20 |
| CDRH6D28-270 | 27uH @ 10kHz  | N | 0.142 | 1.05 |
| CDRH6D28-330 | 33uH @ 10kHz  | N | 0.165 | 0.97 |
| CDRH6D28-390 | 39uH @ 10kHz  | N | 0.210 | 0.86 |
| CDRH6D28-470 | 47uH @ 10kHz  | N | 0.238 | 0.80 |
| CDRH6D28-560 | 56uH @ 10kHz  | N | 0.277 | 0.73 |
| CDRH6D28-680 | 68uH @ 10kHz  | N | 0.304 | 0.65 |
| CDRH6D28-820 | 82uH @ 10kHz  | N | 0.390 | 0.60 |
| CDRH6D28-101 | 100uH @ 10kHz | N | 0.535 | 0.54 |

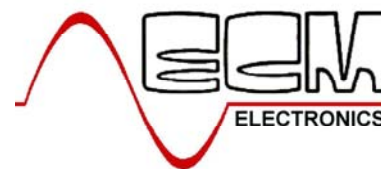
## CDRH6D38 Series

|              |             |   |       |      |
|--------------|-------------|---|-------|------|
| CDRH6D38-3R3 | 3.3 @ 10kHz | N | 0.020 | 3.50 |
| CDRH6D38-5R0 | 5.0 @ 10kHz | N | 0.024 | 2.90 |
| CDRH6D38-6R2 | 6.2 @ 10kHz | N | 0.027 | 2.50 |
| CDRH6D38-7R4 | 7.4 @ 10kHz | N | 0.031 | 2.30 |
| CDRH6D38-8R7 | 8.7 @ 10kHz | N | 0.034 | 2.20 |
| CDRH6D38-100 | 10 @ 10kHz  | N | 0.038 | 2.00 |
| CDRH6D38-120 | 12 @ 10kHz  | N | 0.053 | 1.70 |
| CDRH6D38-150 | 15 @ 10kHz  | N | 0.057 | 1.60 |
| CDRH6D38-180 | 18 @ 10kHz  | N | 0.092 | 1.50 |
| CDRH6D38-220 | 22 @ 10kHz  | N | 0.096 | 1.30 |

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK  
Tel: +44(0)1903 892810; Fax: +44(0)1903 892738. Email: [sales@ecmelectronics.co.uk](mailto:sales@ecmelectronics.co.uk)

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

# ECM Surface Mount Power Inductors



| <b>ECM<br/>Part</b> | <b>L<br/>(<math>\mu</math>H)</b> | <b>Tol<br/>%</b> | <b>R<sub>DC</sub><br/>MAX<br/>(<math>\Omega</math>)</b> | <b>I<sub>DC</sub><br/>I<sub>N</sub><br/>(A)</b> |
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|

## CDRH6D38 Series continued...

|              |             |   |       |      |
|--------------|-------------|---|-------|------|
| CDRH6D38-270 | 27 @ 10kHz  | N | 0.109 | 1.20 |
| CDRH6D38-330 | 33 @ 10kHz  | N | 0.124 | 1.10 |
| CDRH6D38-390 | 39 @ 10kHz  | N | 0.138 | 1.00 |
| CDRH6D38-470 | 47 @ 10kHz  | N | 0.155 | 0.95 |
| CDRH6D38-560 | 56 @ 10kHz  | N | 0.202 | 0.85 |
| CDRH6D38-680 | 68 @ 10kHz  | N | 0.234 | 0.75 |
| CDRH6D38-820 | 82 @ 10kHz  | N | 0.324 | 0.70 |
| CDRH6D38-101 | 100 @ 10kHz | N | 0.358 | 0.65 |

## CDRH73 Series

|            |                |     |      |      |
|------------|----------------|-----|------|------|
| CDRH73-100 | 10 @ 2.52 MHz  | L,M | 0.07 | 1.68 |
| CDRH73-120 | 12 @ 2.52 MHz  | L,M | 0.10 | 1.52 |
| CDRH73-150 | 15 @ 2.52 MHz  | L,M | 0.13 | 1.33 |
| CDRH73-180 | 18 @ 2.52 MHz  | L,M | 0.14 | 1.20 |
| CDRH73-220 | 22 @ 2.52 MHz  | L,M | 0.19 | 1.07 |
| CDRH73-270 | 27 @ 2.52 MHz  | L,M | 0.21 | 0.96 |
| CDRH73-330 | 33 @ 2.52 MHz  | L,M | 0.24 | 0.91 |
| CDRH73-390 | 39 @ 2.52 MHz  | L,M | 0.32 | 0.77 |
| CDRH73-470 | 47 @ 2.52 MHz  | L,M | 0.36 | 0.76 |
| CDRH73-560 | 56 @ 2.52 MHz  | L,M | 0.47 | 0.68 |
| CDRH73-680 | 68 @ 2.52 MHz  | L,M | 0.52 | 0.61 |
| CDRH73-820 | 82 @ 2.52 MHz  | L,M | 0.69 | 0.57 |
| CDRH73-101 | 100 @ 1.0 kHz  | L,M | 0.79 | 0.50 |
| CDRH73-121 | 120 @ 1.0 kHz  | L,M | 0.89 | 0.49 |
| CDRH73-151 | 150 @ 1.0 kHz  | L,M | 1.27 | 0.43 |
| CDRH73-181 | 180 @ 1.0 kHz  | L,M | 1.45 | 0.39 |
| CDRH73-221 | 220 @ 1.0 kHz  | L,M | 1.65 | 0.35 |
| CDRH73-271 | 270 @ 1.0 kHz  | L,M | 2.31 | 0.32 |
| CDRH73-331 | 330 @ 1.0 kHz  | L,M | 2.62 | 0.28 |
| CDRH73-391 | 390 @ 1.0 kHz  | L,M | 2.94 | 0.26 |
| CDRH73-471 | 470 @ 1.0 kHz  | L,M | 4.18 | 0.24 |
| CDRH73-561 | 560 @ 1.0 kHz  | L,M | 4.67 | 0.22 |
| CDRH73-681 | 680 @ 1.0 kHz  | L,M | 5.73 | 0.19 |
| CDRH73-821 | 820 @ 1.0 kHz  | L,M | 6.54 | 0.18 |
| CDRH73-102 | 1000 @ 1.0 kHz | L,M | 9.44 | 0.16 |

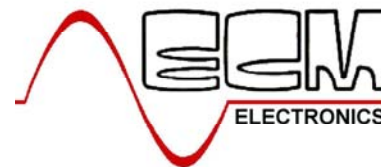
## CDRH74 Series

|            |               |     |      |      |
|------------|---------------|-----|------|------|
| CDRH74-100 | 10 @ 2.52 MHz | L,M | 0.05 | 1.84 |
| CDRH74-120 | 12 @ 2.52 MHz | L,M | 0.06 | 1.71 |
| CDRH74-150 | 15 @ 2.52 MHz | L,M | 0.08 | 1.47 |
| CDRH74-180 | 18 @ 2.52 MHz | L,M | 0.09 | 1.31 |
| CDRH74-220 | 22 @ 2.52 MHz | L,M | 0.11 | 1.23 |
| CDRH74-270 | 27 @ 2.52 MHz | L,M | 0.15 | 1.12 |
| CDRH74-330 | 33 @ 2.52 MHz | L,M | 0.17 | 0.96 |
| CDRH74-390 | 39 @ 2.52 MHz | L,M | 0.23 | 0.91 |
| CDRH74-470 | 47 @ 2.52 MHz | L,M | 0.26 | 0.88 |
| CDRH74-560 | 56 @ 2.52 MHz | L,M | 0.35 | 0.75 |
| CDRH74-680 | 68 @ 2.52 MHz | L,M | 0.38 | 0.69 |
| CDRH74-820 | 82 @ 2.52 MHz | L,M | 0.43 | 0.61 |
| CDRH74-101 | 100 @ 1.0 kHz | L,M | 0.61 | 0.60 |
| CDRH74-121 | 120 @ 1.0 kHz | L,M | 0.66 | 0.52 |
| CDRH74-151 | 150 @ 1.0 kHz | L,M | 0.88 | 0.46 |
| CDRH74-181 | 180 @ 1.0 kHz | L,M | 0.98 | 0.42 |
| CDRH74-221 | 220 @ 1.0 kHz | L,M | 1.17 | 0.36 |
| CDRH74-271 | 270 @ 1.0 kHz | L,M | 1.64 | 0.34 |
| CDRH74-331 | 330 @ 1.0 kHz | L,M | 1.86 | 0.32 |
| CDRH74-391 | 390 @ 1.0 kHz | L,M | 2.85 | 0.29 |
| CDRH74-471 | 470 @ 1.0 kHz | L,M | 3.01 | 0.26 |
| CDRH74-561 | 560 @ 1.0 kHz | L,M | 3.62 | 0.23 |

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK  
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: sales@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

# ECM Surface Mount Power Inductors



| <b>ECM<br/>Part</b> | <b>L<br/>(<math>\mu</math>H)</b> | <b>Tol<br/>%</b> | <b>R<sub>DC</sub><br/>MAX<br/>(<math>\Omega</math>)</b> | <b>I<sub>DC</sub><br/>I<sub>N</sub><br/>(A)</b> |
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|

## CDRH74 Series continued...

|            |                |     |      |      |
|------------|----------------|-----|------|------|
| CDRH74-681 | 680 @ 1.0 kHz  | L,M | 4.63 | 0.22 |
| CDRH74-821 | 820 @ 1.0 kHz  | L,M | 5.20 | 0.20 |
| CDRH74-102 | 1000 @ 1.0 kHz | L,M | 6.00 | 0.18 |

## CDRH125 Series

|             |               |     |      |      |
|-------------|---------------|-----|------|------|
| CDRH125-2R1 | 2.1 @ 100 kHz | M   | 0.02 | 7.00 |
| CDRH125-3R1 | 3.1 @ 100 kHz | M   | 0.02 | 6.00 |
| CDRH125-4R4 | 4.4 @ 100 kHz | M   | 0.02 | 5.00 |
| CDRH125-5R8 | 5.8 @ 100 kHz | M   | 0.02 | 4.40 |
| CDRH125-7R5 | 7.5 @ 100 kHz | M   | 0.02 | 4.20 |
| CDRH125-100 | 10 @ 1.0 kHz  | M   | 0.03 | 4.00 |
| CDRH125-150 | 15 @ 1.0 kHz  | M   | 0.03 | 3.30 |
| CDRH125-180 | 18 @ 1.0 kHz  | M   | 0.04 | 3.00 |
| CDRH125-220 | 22 @ 1.0 kHz  | M   | 0.04 | 2.80 |
| CDRH125-330 | 33 @ 1.0 kHz  | L,M | 0.06 | 2.10 |
| CDRH125-390 | 39 @ 1.0 kHz  | L,M | 0.07 | 2.00 |
| CDRH125-470 | 47 @ 1.0 kHz  | L,M | 0.08 | 1.80 |
| CDRH125-560 | 56 @ 1.0 kHz  | L,M | 0.11 | 1.70 |
| CDRH125-680 | 68 @ 1.0 kHz  | L,M | 0.12 | 1.50 |
| CDRH125-820 | 82 @ 1.0 kHz  | L,M | 0.14 | 1.40 |
| CDRH125-101 | 100 @ 1.0 kHz | L,M | 0.16 | 1.30 |
| CDRH125-121 | 120 @ 1.0 kHz | L,M | 0.17 | 1.10 |
| CDRH125-151 | 150 @ 1.0 kHz | L,M | 0.23 | 1.00 |
| CDRH125-181 | 180 @ 1.0 kHz | L,M | 0.29 | 0.90 |
| CDRH125-221 | 220 @ 1.0 kHz | L,M | 0.40 | 0.80 |
| CDRH125-271 | 270 @ 1.0 kHz | L,M | 0.46 | 0.75 |
| CDRH125-331 | 330 @ 1.0 kHz | L,M | 0.51 | 0.68 |
| CDRH125-471 | 470 @ 1.0 kHz | L,M | 0.77 | 0.58 |
| CDRH125-561 | 560 @ 1.0 kHz | L,M | 0.86 | 0.54 |
| CDRH125-681 | 680 @ 1.0 kHz | L,M | 1.20 | 0.48 |
| CDRH125-821 | 820 @ 1.0 kHz | L,M | 1.34 | 0.43 |
| CDRH125-102 | 102 @ 1.0 kHz | L,M | 1.53 | 0.40 |

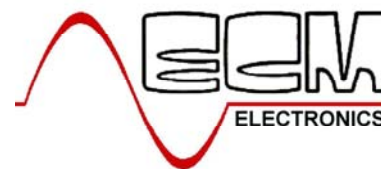
## CDRH127 Series

|             |               |     |      |      |
|-------------|---------------|-----|------|------|
| CDRH127-2R4 | 2.4 @ 100 kHz | M   | 0.01 | 8.00 |
| CDRH127-3R5 | 3.5 @ 100 kHz | M   | 0.01 | 7.50 |
| CDRH127-4R7 | 4.7 @ 100 kHz | M   | 0.02 | 6.80 |
| CDRH127-6R1 | 6.1 @ 100 kHz | M   | 0.02 | 6.60 |
| CDRH127-7R6 | 7.6 @ 100 kHz | M   | 0.02 | 5.90 |
| CDRH127-100 | 10 @ 1.0 kHz  | M   | 0.02 | 5.40 |
| CDRH127-150 | 15 @ 1.0 kHz  | M   | 0.03 | 4.50 |
| CDRH127-180 | 18 @ 1.0 kHz  | M   | 0.04 | 3.90 |
| CDRH127-220 | 22 @ 1.0 kHz  | M   | 0.04 | 3.60 |
| CDRH127-330 | 33 @ 1.0 kHz  | L,M | 0.06 | 3.00 |
| CDRH127-390 | 39 @ 1.0 kHz  | L,M | 0.07 | 2.75 |
| CDRH127-470 | 47 @ 1.0 kHz  | L,M | 0.10 | 2.50 |
| CDRH127-560 | 56 @ 1.0 kHz  | L,M | 0.11 | 2.35 |
| CDRH127-680 | 68 @ 1.0 kHz  | L,M | 0.14 | 2.10 |
| CDRH127-820 | 82 @ 1.0 kHz  | L,M | 0.16 | 1.95 |
| CDRH127-101 | 100 @ 1.0 kHz | L,M | 0.22 | 1.70 |
| CDRH127-121 | 120 @ 1.0 kHz | L,M | 0.25 | 1.60 |
| CDRH127-151 | 150 @ 1.0 kHz | L,M | 0.28 | 1.42 |
| CDRH127-181 | 180 @ 1.0 kHz | L,M | 0.35 | 1.30 |
| CDRH127-221 | 220 @ 1.0 kHz | L,M | 0.39 | 1.16 |
| CDRH127-271 | 270 @ 1.0 kHz | L,M | 0.56 | 1.06 |
| CDRH127-331 | 330 @ 1.0 kHz | L,M | 0.64 | 0.95 |
| CDRH127-471 | 470 @ 1.0 kHz | L,M | 0.98 | 0.79 |
| CDRH127-561 | 560 @ 1.0 kHz | L,M | 1.07 | 0.73 |
| CDRH127-681 | 680 @ 1.0 kHz | L,M | 1.46 | 0.67 |

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK  
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: sales@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

# ECM Surface Mount Power Inductors



| <b>ECM<br/>Part</b> | <b>L<br/>(<math>\mu</math>H)</b> | <b>Tol<br/>%</b> | <b>R<sub>DC</sub><br/>MAX<br/>(<math>\Omega</math>)</b> | <b>I<sub>DC</sub><br/>I<sub>N</sub><br/>(A)</b> |
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|
|---------------------|----------------------------------|------------------|---------------------------------------------------------|-------------------------------------------------|

## CDRH127 Series continued...

|             |               |     |      |      |
|-------------|---------------|-----|------|------|
| CDRH127-821 | 820 @ 1.0 kHz | L,M | 1.64 | 0.60 |
| CDRH127-102 | 102 @ 1.0 kHz | L,M | 1.82 | 0.55 |

## CDR63B Series

|            |               |     |      |      |
|------------|---------------|-----|------|------|
| CDR63B-100 | 10 @ 2.52 MHz | M   | 0.14 | 1.00 |
| CDR63B-120 | 12 @ 2.52 MHz | M   | 0.16 | 0.94 |
| CDR63B-150 | 15 @ 2.52 MHz | M   | 0.18 | 0.86 |
| CDR63B-220 | 22 @ 2.52 MHz | M   | 0.25 | 0.76 |
| CDR63B-270 | 27 @ 2.52 MHz | M   | 0.32 | 0.64 |
| CDR63B-330 | 33 @ 2.52 MHz | L,M | 0.36 | 0.61 |
| CDR63B-390 | 39 @ 2.52 MHz | L,M | 0.41 | 0.53 |
| CDR63B-470 | 47 @ 2.52 MHz | L,M | 0.51 | 0.50 |
| CDR63B-560 | 56 @ 2.52 MHz | L,M | 0.72 | 0.46 |
| CDR63B-680 | 68 @ 2.52 MHz | L,M | 0.82 | 0.42 |

## CDR74B Series

|            |               |     |      |      |
|------------|---------------|-----|------|------|
| CDR74B-100 | 10 @ 2.52 MHz | M   | 0.07 | 1.65 |
| CDR74B-120 | 12 @ 2.52 MHz | M   | 0.07 | 1.57 |
| CDR74B-150 | 15 @ 2.52 MHz | M   | 0.08 | 1.39 |
| CDR74B-180 | 18 @ 2.52 MHz | M   | 0.10 | 1.29 |
| CDR74B-220 | 22 @ 2.52 MHz | M   | 0.13 | 1.12 |
| CDR74B-270 | 27 @ 2.52 MHz | M   | 0.16 | 1.06 |
| CDR74B-330 | 33 @ 2.52 MHz | M   | 0.18 | 0.97 |
| CDR74B-390 | 39 @ 2.52 MHz | M   | 0.18 | 0.91 |
| CDR74B-470 | 47 @ 2.52 MHz | M   | 0.27 | 0.80 |
| CDR74B-560 | 56 @ 2.52 MHz | L,M | 0.29 | 0.76 |
| CDR74B-680 | 68 @ 2.52 MHz | L,M | 0.33 | 0.68 |
| CDR74B-820 | 82 @ 2.52 MHz | L,M | 0.43 | 0.62 |
| CDR74B-101 | 100 @ 1.0 kHz | L,M | 0.49 | 0.55 |
| CDR74B-121 | 120 @ 1.0 kHz | L,M | 0.68 | 0.49 |
| CDR74B-151 | 150 @ 1.0 kHz | L,M | 0.94 | 0.44 |
| CDR74B-181 | 180 @ 1.0 kHz | L,M | 1.00 | 0.40 |
| CDR74B-221 | 220 @ 1.0 kHz | L,M | 1.18 | 0.36 |
| CDR74B-271 | 270 @ 1.0 kHz | L,M | 1.30 | 0.33 |

## CDR105B Series

|             |               |     |      |      |
|-------------|---------------|-----|------|------|
| CDR105B-100 | 10 @ 2.52 MHz | M   | 0.06 | 2.06 |
| CDR105B-120 | 12 @ 2.52 MHz | M   | 0.07 | 1.94 |
| CDR105B-150 | 15 @ 2.52 MHz | M   | 0.07 | 1.72 |
| CDR105B-180 | 18 @ 2.52 MHz | M   | 0.08 | 1.58 |
| CDR105B-220 | 22 @ 2.52 MHz | M   | 0.08 | 1.42 |
| CDR105B-270 | 27 @ 2.52 MHz | M   | 0.10 | 1.32 |
| CDR105B-330 | 33 @ 2.52 MHz | M   | 0.11 | 1.16 |
| CDR105B-390 | 39 @ 2.52 MHz | M   | 0.12 | 1.10 |
| CDR105B-470 | 47 @ 2.52 MHz | M   | 0.14 | 1.00 |
| CDR105B-560 | 56 @ 2.52 MHz | L,M | 0.19 | 0.93 |
| CDR105B-680 | 68 @ 2.52 MHz | L,M | 0.21 | 0.85 |
| CDR105B-820 | 82 @ 2.52 MHz | L,M | 0.28 | 0.79 |
| CDR105B-101 | 100 @ 1.0 kHz | L,M | 0.34 | 0.72 |
| CDR105B-121 | 120 @ 1.0 kHz | L,M | 0.37 | 0.63 |
| CDR105B-151 | 150 @ 1.0 kHz | L,M | 0.51 | 0.55 |
| CDR105B-181 | 180 @ 1.0 kHz | L,M | 0.57 | 0.50 |
| CDR105B-221 | 220 @ 1.0 kHz | L,M | 0.78 | 0.47 |
| CDR105B-271 | 270 @ 1.0 kHz | L,M | 0.87 | 0.41 |
| CDR105B-331 | 330 @ 1.0 kHz | L,M | 1.20 | 0.37 |
| CDR105B-391 | 390 @ 1.0 kHz | L,M | 1.34 | 0.35 |
| CDR105B-471 | 470 @ 1.0 kHz | L,M | 1.50 | 0.33 |

Tolerance. L=10% M=20% N=30%.

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK  
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: sales@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.