

Multilayer Chip Ferrite Inductor – SDFL Series

Operating Temp. : -40°C ~ +85°C



FEATURES

- Monolithic structure for high reliability
- Compact size inductor possible
- No cross coupling due to magnetic shield
- Perfect shape for mounting with no directionality
- Excellent solderability and high heat resistance for reflow soldering or wave soldering

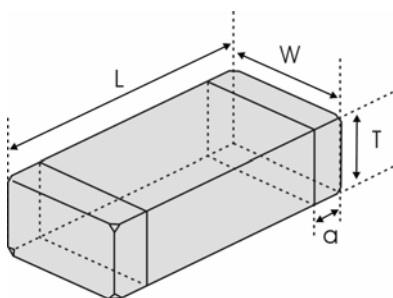
APPLICATIONS

- Widely use in Communications, Video and audio equipment, Computer, Remote control, etc.

PRODUCT IDENTIFICATION

| <u>SDFL</u> ① | <u>1608</u> ② | <u>Q</u> ③ | <u>1R0</u> ④ | <u>K</u> ⑤ | <u>T</u> ⑥ | <u>F</u> ⑦ | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------|-------------|-------------|---------|------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------|---------|------------------------------------------------------------------------------------------------------------------------|------|---------------|------|-----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|---|--|--|
| ① | ② | | ③ | ④ | | ⑤ | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><th colspan="2">Type</th></tr> <tr><td>SDFL</td><td>Chip Ferrite Inductor</td></tr> </table> | | Type | | SDFL | Chip Ferrite Inductor | <table border="1"> <tr><th colspan="2">External Dimensions (L×W) (mm)</th></tr> <tr><td>1005 [0402]</td><td>1.0×0.5</td></tr> <tr><td>1608 [0603]</td><td>1.6×0.8</td></tr> <tr><td>2012 [0805]</td><td>2.0×1.25</td></tr> <tr><td>3216 [1206]</td><td>3.2×1.6</td></tr> </table> | | External Dimensions (L×W) (mm) | | 1005 [0402] | 1.0×0.5 | 1608 [0603] | 1.6×0.8 | 2012 [0805] | 2.0×1.25 | 3216 [1206] | 3.2×1.6 | <table border="1"> <tr><th colspan="2">Material Code</th></tr> <tr><td colspan="2">L, P, B, Q, S, T</td></tr> </table> | | Material Code | | L, P, B, Q, S, T | | ⑥ | | | | |
| Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SDFL | Chip Ferrite Inductor | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| External Dimensions (L×W) (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1005 [0402] | 1.0×0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1608 [0603] | 1.6×0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2012 [0805] | 2.0×1.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3216 [1206] | 3.2×1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Material Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L, P, B, Q, S, T | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ④ | | ⑤ | | ⑦ | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><th colspan="2">Nominal Inductance</th></tr> <tr><th>Example</th><th>Nominal Value</th></tr> <tr><td>47N</td><td>0.047μH</td></tr> <tr><td>R10</td><td>0.1μH</td></tr> <tr><td>1R0</td><td>1.0μH</td></tr> <tr><td colspan="2">※R=Decimal Point, N=nH</td></tr> </table> | | Nominal Inductance | | Example | Nominal Value | 47N | 0.047μH | R10 | 0.1μH | 1R0 | 1.0μH | ※R=Decimal Point, N=nH | | <table border="1"> <tr><th colspan="2">Inductance Tolerance</th></tr> <tr><td>K</td><td>±10%</td></tr> <tr><td>M</td><td>±20%</td></tr> </table> | | Inductance Tolerance | | K | ±10% | M | ±20% | <table border="1"> <tr><th colspan="2">Hazardous Substance Free Products</th></tr> <tr><td colspan="2">F</td></tr> </table> | | Hazardous Substance Free Products | | F | | |
| Nominal Inductance | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Example | Nominal Value | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47N | 0.047μH | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R10 | 0.1μH | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1R0 | 1.0μH | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ※R=Decimal Point, N=nH | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inductance Tolerance | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | ±10% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | ±20% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazardous Substance Free Products | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <table border="1"> <tr><th colspan="2">Packing</th></tr> <tr><td>T</td><td>Tape & Reel</td></tr> </table> | | Packing | | T | Tape & Reel | | | | | | | | | | | | | | | | | | | |
| Packing | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T | Tape & Reel | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SHAPE AND DIMENSIONS



Unit: mm [inch]

| Type | L | W | T | a |
|--------------------|-------------------------------------------|-------------------------|-------------------------|-------------------------|
| SDFL1005 [0402] | 1.0±0.15 [.039±.006] | 0.5±0.15 [.020±.006] | 0.5±0.15 [.020±.006] | 0.25±0.1 [.010±.004] |
| SDFL1608 [0603] | 1.6±0.15 [.063±.006] | 0.8±0.15 [.031±.006] | 0.8±0.15 [.031±.006] | 0.3±0.2 [.012±.008] |
| SDFL2012 [0805] | 2.0 (+0.3, -0.1) [.079 (+.012, -.004)] | 1.25±0.2 [.049±.008] | 0.85±0.2 [.033±.008] | 0.5±0.3 [.020±.012] |
| | | | 1.25±0.2 [.049±.008] | |
| SDFL3216 [1206] | 3.2±0.2 [.126±.008] | 1.6±0.2 [.063±.008] | 0.85±0.2 [.033±.008] | 0.5±0.3 [.020±.012] |
| | | | 1.1±0.2 [.043±.008] | |

SPECIFICATIONS

SDFL1005 TYPE

| Part Number | Inductance | Min. Quality Factor | L, Q Test Freq./L/Q | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current | Thickness |
|-----------------|------------|---------------------|---------------------|------------------------------|--------------------|--------------------|-------------------------|
| Units | μH | - | MHz | MHz | Ω | mA | mm [inch] |
| Symbol | L | Q | Freq. | S.R.F | DCR | Ir | T |
| SDFL1005L47N□TF | 0.047 | 10 | 50 | 220 | 0.45 | 25 | 0.5±0.15 [.020±.006] |
| SDFL1005L68N□TF | 0.068 | 10 | 50 | 210 | 0.45 | 25 | |
| SDFL1005L82N□TF | 0.082 | 10 | 50 | 200 | 0.45 | 25 | |
| SDFL1005LR10□TF | 0.1 | 10 | 25 | 200 | 0.8 | 25 | |
| SDFL1005LR12□TF | 0.12 | 10 | 25 | 165 | 0.8 | 25 | |
| SDFL1005LR15□TF | 0.15 | 10 | 25 | 140 | 0.9 | 25 | |
| SDFL1005LR18□TF | 0.18 | 10 | 25 | 120 | 0.9 | 25 | |
| SDFL1005LR22□TF | 0.22 | 10 | 25 | 110 | 1.2 | 25 | |
| SDFL1005LR27□TF | 0.27 | 15 | 25 | 95 | 1.2 | 25 | |
| SDFL1005LR33□TF | 0.33 | 15 | 25 | 85 | 1.25 | 18 | |
| SDFL1005QR39□TF | 0.39 | 20 | 10 | 85 | 0.6 | 15 | |
| SDFL1005QR47□TF | 0.47 | 20 | 10 | 80 | 0.7 | 15 | |
| SDFL1005QR56□TF | 0.56 | 20 | 10 | 75 | 0.8 | 15 | |
| SDFL1005QR68□TF | 0.68 | 20 | 10 | 70 | 0.9 | 15 | |
| SDFL1005QR82□TF | 0.82 | 20 | 10 | 65 | 0.9 | 15 | |
| SDFL1005P1R0□TF | 1.0 | 20 | 10 | 60 | 1.0 | 15 | |
| SDFL1005P1R2□TF | 1.2 | 20 | 10 | 55 | 1.25 | 15 | |
| SDFL1005P1R5□TF | 1.5 | 20 | 10 | 50 | 1.4 | 15 | |
| SDFL1005P1R8□TF | 1.8 | 20 | 10 | 45 | 1.55 | 15 | |
| SDFL1005P2R2□TF | 2.2 | 20 | 10 | 40 | 1.7 | 10 | |
| SDFL1005Q1R0□TF | 1.0 | 20 | 10 | 40 | 0.9 | 15 | |
| SDFL1005Q1R2□TF | 1.2 | 20 | 10 | 35 | 1.2 | 15 | |
| SDFL1005Q1R5□TF | 1.5 | 20 | 10 | 30 | 1.2 | 15 | |
| SDFL1005Q1R8□TF | 1.8 | 20 | 10 | 30 | 1.45 | 15 | |
| SDFL1005Q2R2□TF | 2.2 | 20 | 10 | 28 | 1.7 | 10 | |
| SDFL1005Q2R7□TF | 2.7 | 20 | 10 | 28 | 2.4 | 10 | |
| SDFL1005Q3R3□TF | 3.3 | 20 | 10 | 28 | 2.7 | 10 | |

※□: Please specify the inductance tolerance code (K=±10%, M=±20%). The product with tolerance less than ±10%, ±20% is also available. Please contact your local sales.

SDFL1608 TYPE

| Part Number | Inductance | Min. Quality Factor | L, Q Test Freq./L/Q | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current | Thickness |
|-----------------|------------|---------------------|---------------------|------------------------------|--------------------|--------------------|-------------------------|
| Units | μH | - | MHz | MHz | Ω | mA | mm [inch] |
| Symbol | L | Q | Freq. | S.R.F | DCR | Ir | T |
| SDFL1608L47N□TF | 0.047 | 10 | 50 | 260 | 0.3 | 50 | 0.8±0.15 [.031±.006] |
| SDFL1608L68N□TF | 0.068 | 10 | 50 | 250 | 0.3 | 50 | |
| SDFL1608L82N□TF | 0.082 | 10 | 50 | 245 | 0.3 | 50 | |
| SDFL1608LR10□TF | 0.1 | 15 | 25 | 240 | 0.5 | 50 | |
| SDFL1608LR12□TF | 0.12 | 15 | 25 | 205 | 0.5 | 50 | |
| SDFL1608LR15□TF | 0.15 | 15 | 25 | 180 | 0.6 | 50 | |
| SDFL1608LR18□TF | 0.18 | 15 | 25 | 165 | 0.6 | 50 | |
| SDFL1608LR22□TF | 0.22 | 15 | 25 | 150 | 0.8 | 50 | |
| SDFL1608LR27□TF | 0.27 | 15 | 25 | 136 | 0.8 | 50 | |
| SDFL1608LR33□TF | 0.33 | 15 | 25 | 125 | 0.85 | 35 | |
| SDFL1608LR39□TF | 0.39 | 15 | 25 | 110 | 1 | 35 | |
| SDFL1608LR47□TF | 0.47 | 15 | 25 | 105 | 1.35 | 35 | |
| SDFL1608LR56□TF | 0.56 | 15 | 25 | 95 | 1.55 | 35 | |



Specifications subject to change without notice. Please check our website for latest information. Released: 2011/03/15

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SPECIFICATIONS

SDFL1608 TYPE

| Part Number | Inductance | Min. Quality Factor | L, Q Test Freq.L/Q | Min.Self-resonant Frequency | Max. DC Resistance | Max. Rated Current | Thickness |
|-----------------|------------|---------------------|--------------------|-----------------------------|--------------------|--------------------|-------------------------|
| Units | μH | - | MHz | MHz | Ω | mA | mm [inch] |
| Symbol | L | Q | Freq. | S.R.F | DCR | I _r | T |
| SDFL1608LR68□TF | 0.68 | 15 | 25 | 90 | 1.7 | 35 | 0.8±0.15 [.031±.006] |
| SDFL1608LR82□TF | 0.82 | 15 | 25 | 85 | 2.1 | 35 | |
| SDFL1608B1R0□TF | 1.0 | 35 | 10 | 90 | 0.70 | 25 | |
| SDFL1608B1R2□TF | 1.2 | 35 | 10 | 85 | 0.80 | 25 | |
| SDFL1608B1R5□TF | 1.5 | 35 | 10 | 80 | 0.95 | 25 | |
| SDFL1608B1R8□TF | 1.8 | 35 | 10 | 75 | 1.15 | 25 | |
| SDFL1608B2R2□TF | 2.2 | 35 | 10 | 70 | 1.25 | 25 | |
| SDFL1608P1R0□TF | 1.0 | 35 | 10 | 90 | 0.6 | 25 | |
| SDFL1608P1R1□TF | 1.1 | 35 | 10 | 90 | 0.6 | 25 | |
| SDFL1608P1R2□TF | 1.2 | 35 | 10 | 85 | 0.8 | 25 | |
| SDFL1608P1R5□TF | 1.5 | 35 | 10 | 80 | 0.8 | 25 | |
| SDFL1608P1R8□TF | 1.8 | 35 | 10 | 75 | 0.95 | 25 | |
| SDFL1608P2R2□TF | 2.2 | 35 | 10 | 70 | 1.15 | 15 | |
| SDFL1608Q1R0□TF | 1.0 | 35 | 10 | 75 | 0.6 | 25 | |
| SDFL1608Q1R1□TF | 1.1 | 35 | 10 | 75 | 0.6 | 25 | |
| SDFL1608Q1R2□TF | 1.2 | 35 | 10 | 65 | 0.8 | 25 | |
| SDFL1608Q1R5□TF | 1.5 | 35 | 10 | 60 | 0.8 | 25 | |
| SDFL1608Q1R8□TF | 1.8 | 35 | 10 | 55 | 0.95 | 25 | |
| SDFL1608Q2R2□TF | 2.2 | 35 | 10 | 50 | 1.15 | 15 | |
| SDFL1608Q2R7□TF | 2.7 | 35 | 10 | 45 | 1.35 | 15 | |
| SDFL1608Q3R3□TF | 3.3 | 35 | 10 | 40 | 1.55 | 15 | |
| SDFL1608Q3R9□TF | 3.9 | 35 | 10 | 35 | 1.7 | 15 | |
| SDFL1608Q4R7□TF | 4.7 | 35 | 10 | 33 | 2.1 | 15 | |
| SDFL1608S5R6□TF | 5.6 | 35 | 4 | 22 | 1.55 | 5 | |
| SDFL1608S6R8□TF | 6.8 | 35 | 4 | 20 | 1.7 | 5 | |
| SDFL1608S8R2□TF | 8.2 | 35 | 4 | 18 | 2.1 | 5 | |
| SDFL1608S100□TF | 10 | 30 | 2 | 17 | 1.85 | 3 | |
| SDFL1608S120□TF | 12 | 30 | 2 | 15 | 2.1 | 3 | |
| SDFL1608T150□TF | 15 | 20 | 1 | 14 | 1.7 | 1 | |
| SDFL1608T180□TF | 18 | 20 | 1 | 13 | 1.85 | 1 | |
| SDFL1608T220□TF | 22 | 20 | 1 | 11 | 2.1 | 1 | |
| SDFL1608T270□TF | 27 | 20 | 1 | 10 | 2.75 | 1 | |
| SDFL1608T330□TF | 33 | 20 | 1 | 9 | 2.95 | 1 | |

※□: Please specify the inductance tolerance code (K=±10%, M=±20%). The product with tolerance less than ±10%, ±20% is also available. Please contact your local sales.

SPECIFICATIONS

SDFL2012 TYPE

| Part Number | Inductance | Min. Quality Factor | L, Q Test Freq.L/Q | Min.Self-resonant Frequency | Max. DC Resistance | Max. Rated Current | Thickness |
|-----------------|------------|---------------------|--------------------|-----------------------------|--------------------|--------------------|-------------------------|
| Units | μH | - | MHz | MHz | Ω | mA | mm [inch] |
| Symbol | L | Q | Freq. | S.R.F | DCR | Ir | T |
| SDFL2012L47N□TF | 0.047 | 15 | 50 | 320 | 0.2 | 300 | 0.85±0.2 [.033±.008] |
| SDFL2012L68N□TF | 0.068 | 15 | 50 | 280 | 0.2 | 300 | |
| SDFL2012L82N□TF | 0.082 | 15 | 50 | 255 | 0.2 | 300 | |
| SDFL2012LR10□TF | 0.1 | 20 | 25 | 235 | 0.3 | 250 | |
| SDFL2012LR12□TF | 0.12 | 20 | 25 | 220 | 0.3 | 250 | |
| SDFL2012LR15□TF | 0.15 | 20 | 25 | 200 | 0.4 | 250 | |
| SDFL2012LR18□TF | 0.18 | 20 | 25 | 185 | 0.4 | 250 | |
| SDFL2012LR22□TF | 0.22 | 20 | 25 | 170 | 0.5 | 250 | |
| SDFL2012LR27□TF | 0.27 | 20 | 25 | 150 | 0.5 | 250 | |
| SDFL2012LR33□TF | 0.33 | 20 | 25 | 145 | 0.55 | 250 | |
| SDFL2012LR39□TF | 0.39 | 25 | 25 | 135 | 0.65 | 200 | |
| SDFL2012LR47□TF | 0.47 | 25 | 25 | 125 | 0.65 | 200 | |
| SDFL2012LR56□TF | 0.56 | 25 | 25 | 115 | 0.75 | 150 | |
| SDFL2012LR68□TF | 0.68 | 25 | 25 | 105 | 0.8 | 150 | |
| SDFL2012LR82□TF | 0.82 | 25 | 25 | 100 | 1 | 150 | |
| SDFL2012P1R0□TF | 1.0 | 45 | 10 | 95 | 0.4 | 50 | |
| SDFL2012P1R2□TF | 1.2 | 45 | 10 | 85 | 0.5 | 50 | |
| SDFL2012P1R5□TF | 1.5 | 45 | 10 | 80 | 0.5 | 50 | |
| SDFL2012P1R8□TF | 1.8 | 45 | 10 | 75 | 0.6 | 50 | |
| SDFL2012P2R2□TF | 2.2 | 45 | 10 | 70 | 0.65 | 30 | |
| SDFL2012Q1R0□TF | 1.0 | 45 | 10 | 75 | 0.4 | 50 | |
| SDFL2012Q1R1□TF | 1.1 | 45 | 10 | 65 | 0.5 | 50 | |
| SDFL2012Q1R2□TF | 1.2 | 45 | 10 | 65 | 0.5 | 50 | |
| SDFL2012Q1R5□TF | 1.5 | 45 | 10 | 60 | 0.5 | 50 | |
| SDFL2012Q1R8□TF | 1.8 | 45 | 10 | 55 | 0.6 | 50 | |
| SDFL2012Q2R2□TF | 2.2 | 45 | 10 | 50 | 0.65 | 30 | |
| SDFL2012Q2R4□TF | 2.4 | 45 | 10 | 47 | 0.70 | 30 | |
| SDFL2012Q2R7□TF | 2.7 | 45 | 10 | 45 | 0.75 | 30 | |
| SDFL2012Q3R3□TF | 3.3 | 45 | 10 | 41 | 0.8 | 30 | |
| SDFL2012Q3R9□TF | 3.9 | 45 | 10 | 38 | 0.9 | 30 | |
| SDFL2012Q4R7□TF | 4.7 | 45 | 10 | 35 | 1 | 30 | |
| SDFL2012S5R6□TF | 5.6 | 50 | 4 | 32 | 0.9 | 15 | |
| SDFL2012S6R8□TF | 6.8 | 50 | 4 | 29 | 1 | 15 | |
| SDFL2012S8R2□TF | 8.2 | 50 | 4 | 26 | 1.1 | 15 | |
| SDFL2012S100□TF | 10 | 50 | 2 | 24 | 1.15 | 15 | |
| SDFL2012S120□TF | 12 | 50 | 2 | 22 | 1.25 | 15 | |
| SDFL2012T150□TF | 15 | 30 | 1 | 19 | 0.8 | 5 | |
| SDFL2012T180□TF | 18 | 30 | 1 | 18 | 0.9 | 5 | |
| SDFL2012T220□TF | 22 | 30 | 1 | 16 | 1.1 | 5 | |
| SDFL2012T270□TF | 27 | 30 | 1 | 14 | 1.15 | 5 | |
| SDFL2012T330□TF | 33 | 30 | 0.4 | 13 | 1.25 | 5 | |
| SDFL2012T390□TF | 39 | 35 | 2 | 8 | 2.9 | 4 | |
| SDFL2012T470□TF | 47 | 35 | 2 | 7.5 | 3 | 4 | |

※□: Please specify the inductance tolerance code (K=±10%, M=±20%). The product with tolerance less than ±10%, ±20% is also available. Please contact your local sales.

SPECIFICATIONS

SDFL3216 TYPE

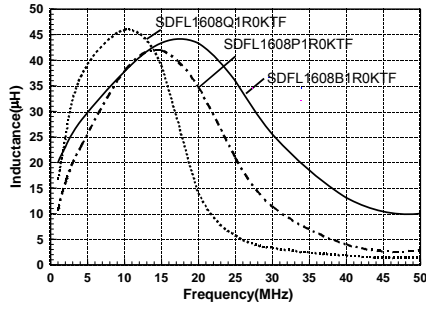
| Part Number | Inductance | Min. Quality Factor | L, Q Test Freq.L/Q | Min.Self-resonant Frequency | Max. DC Resistance | Max. Rated Current | Thickness |
|-----------------|------------|---------------------|--------------------|-----------------------------|--------------------|--------------------|-------------------------|
| Units | μH | - | MHz | MHz | Ω | mA | mm [inch] |
| Symbol | L | Q | Freq. | S.R.F | DCR | I _r | T |
| SDFL3216L47N□TF | 0.047 | 20 | 50 | 320 | 0.15 | 300 | 0.85±0.2 [.033±.008] |
| SDFL3216L68N□TF | 0.068 | 20 | 50 | 280 | 0.25 | 300 | |
| SDFL3216LR10□TF | 0.1 | 20 | 25 | 235 | 0.25 | 250 | |
| SDFL3216LR12□TF | 0.12 | 20 | 25 | 220 | 0.3 | 250 | |
| SDFL3216LR15□TF | 0.15 | 20 | 25 | 200 | 0.3 | 250 | |
| SDFL3216LR18□TF | 0.18 | 20 | 25 | 185 | 0.4 | 250 | |
| SDFL3216LR22□TF | 0.22 | 20 | 25 | 170 | 0.4 | 250 | |
| SDFL3216LR27□TF | 0.27 | 20 | 25 | 150 | 0.5 | 250 | |
| SDFL3216LR33□TF | 0.33 | 20 | 25 | 145 | 0.5 | 250 | |
| SDFL3216LR39□TF | 0.39 | 25 | 25 | 135 | 0.5 | 200 | |
| SDFL3216LR47□TF | 0.47 | 25 | 25 | 125 | 0.6 | 200 | |
| SDFL3216LR56□TF | 0.56 | 25 | 25 | 115 | 0.7 | 150 | |
| SDFL3216LR68□TF | 0.68 | 25 | 25 | 105 | 0.8 | 150 | |
| SDFL3216LR82□TF | 0.82 | 25 | 25 | 100 | 0.9 | 150 | |
| SDFL3216Q1R0□TF | 1.0 | 45 | 10 | 75 | 0.4 | 100 | |
| SDFL3216Q1R2□TF | 1.2 | 45 | 10 | 65 | 0.5 | 100 | |
| SDFL3216Q1R5□TF | 1.5 | 45 | 10 | 60 | 0.5 | 50 | |
| SDFL3216Q1R8□TF | 1.8 | 45 | 10 | 55 | 0.5 | 50 | |
| SDFL3216Q2R2□TF | 2.2 | 45 | 10 | 50 | 0.6 | 50 | |
| SDFL3216Q2R7□TF | 2.7 | 45 | 10 | 45 | 0.6 | 50 | |
| SDFL3216Q3R3□TF | 3.3 | 45 | 10 | 41 | 0.7 | 50 | |
| SDFL3216Q3R9□TF | 3.9 | 45 | 10 | 38 | 0.8 | 50 | |
| SDFL3216Q4R7□TF | 4.7 | 45 | 10 | 35 | 0.9 | 50 | |
| SDFL3216S5R6□TF | 5.6 | 50 | 4 | 32 | 0.7 | 25 | |
| SDFL3216S6R8□TF | 6.8 | 50 | 4 | 29 | 0.8 | 25 | |
| SDFL3216S8R2□TF | 8.2 | 50 | 4 | 26 | 0.9 | 25 | |
| SDFL3216S100□TF | 10 | 50 | 2 | 24 | 1 | 25 | |
| SDFL3216S120□TF | 12 | 50 | 2 | 22 | 1.05 | 15 | |
| SDFL3216T150□TF | 15 | 35 | 1 | 19 | 0.7 | 5 | |
| SDFL3216T180□TF | 18 | 35 | 1 | 18 | 0.7 | 5 | |
| SDFL3216T220□TF | 22 | 35 | 1 | 16 | 0.9 | 5 | |
| SDFL3216T270□TF | 27 | 35 | 1 | 14 | 0.9 | 5 | |
| SDFL3216T330□TF | 33 | 35 | 0.4 | 13 | 1.05 | 5 | |
| SDFL3216T390□TF | 39 | 40 | 2 | 11 | 3 | 5 | |
| SDFL3216T470□TF | 47 | 40 | 2 | 10 | 3.4 | 5 | |

※□: Please specify the inductance tolerance code (K=±10%, M=±20%). The product with tolerance less than ±10%, ±20% is also available. Please contact your local sales.

TYPICAL ELECTRICAL CHARACTERISTICS

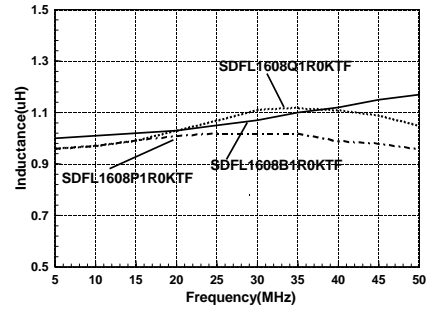
B, P, Q 三种材料电感的区别

Q vs. Frequency Characteristics



B, P, Q Material Comparison

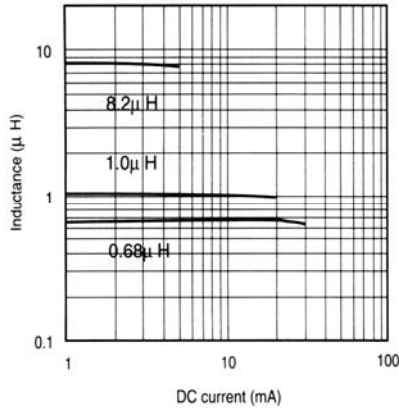
Inductance vs. Frequency Characteristics



TYPICAL ELECTRICAL CHARACTERISTICS

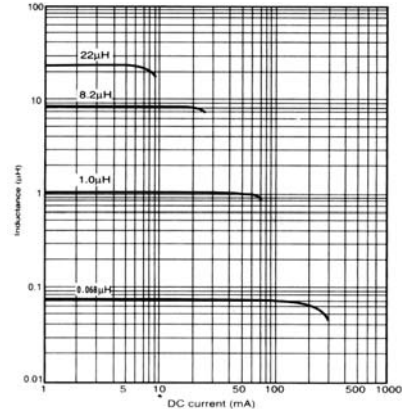
SDFL1005 TYPE

Inductance vs. DC Current Characteristics

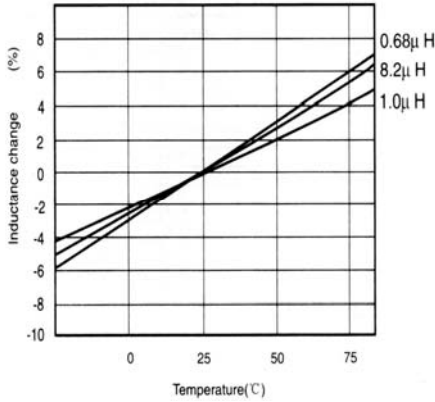


SDFL1608 TYPE

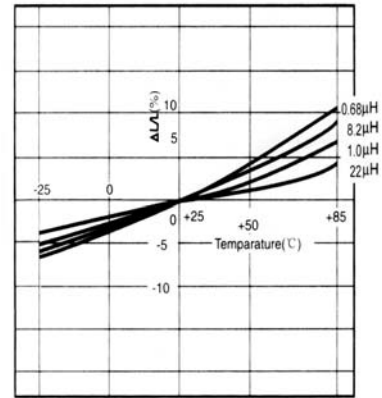
Inductance vs. DC Current Characteristics



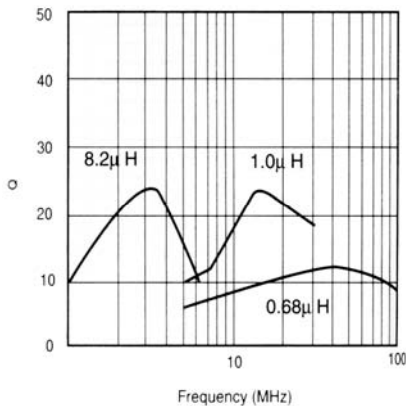
Inductance vs. Temperature Characteristics



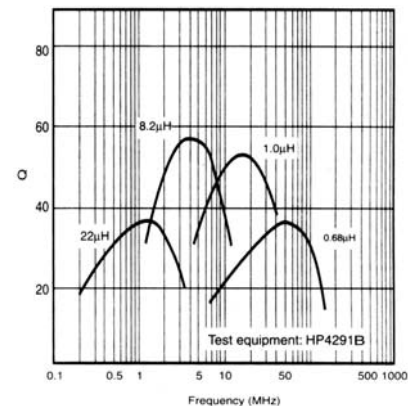
Inductance vs. Temperature Characteristics



Q vs. Frequency Characteristics



Q vs. Frequency Characteristics



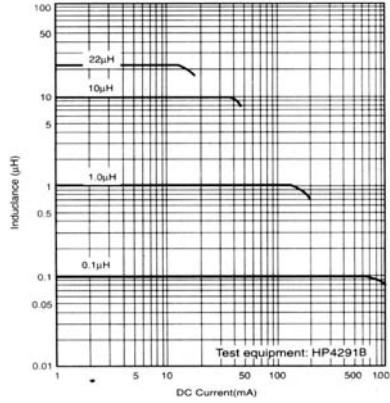
Sunlord

Specifications subject to change without notice. Please check our website for latest information. Released: 2011/03/15

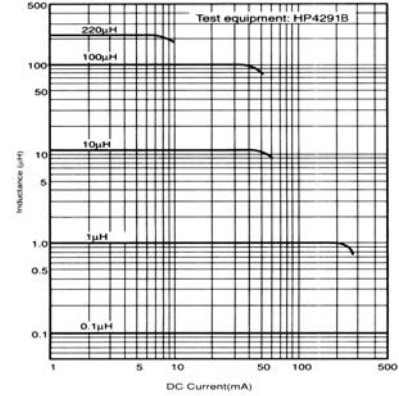
Sunlord Industrial Park, Guangguang Road, Shenzhen, China Tel: 0755-29832660 Fax: 0755-82269029 Web: <http://www.sunlordinc.com> E-mail: sunlord@sunlordinc.com

TYPICAL ELECTRICAL CHARACTERISTICS

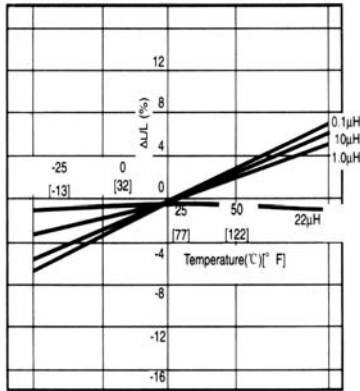
SDFL2012 Type
Inductance vs. DC Current Characteristics



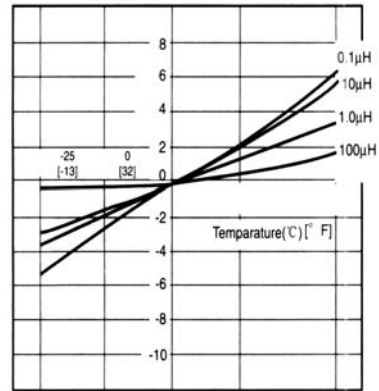
SDFL3216 Type
Inductance vs. DC Current Characteristics



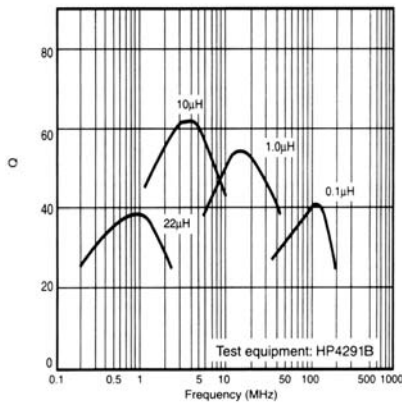
Inductance vs. Temperature Characteristics



Inductance vs. Temperature Characteristics



Q vs. Frequency Characteristics



Q vs. Frequency Characteristics

