

## BOURNS SMD Power Inductors

BOURNS®

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## SDR SERIES: SMD POWER INDUCTORS (CONT.)

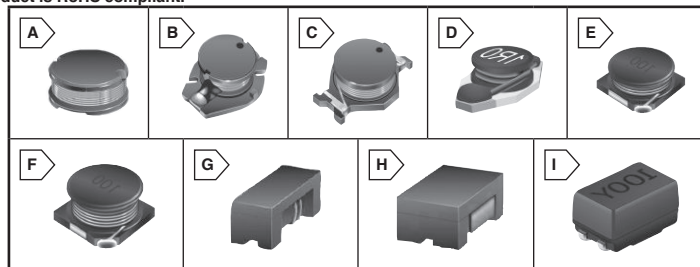
For quantities greater than listed, call for quote.

| MOUSER STOCK NO.  |               | Fig. | Inductance<br>( $\mu$ H) | Max. DCR<br>(m $\Omega$ ) | Max. DC<br>Current (A) | Price Each |      |     |
|-------------------|---------------|------|--------------------------|---------------------------|------------------------|------------|------|-----|
| Mfr.              | Mfr. Part No. |      |                          |                           |                        | 1          | 10   | 100 |
| SDR1307 Series    |               |      |                          |                           |                        |            |      |     |
| 652—SDR1307-1R5ML | A             | 1.5  | 5                        | 9.5                       | .83                    | .728       | .593 |     |
| 652—SDR1307-2R2ML | A             | 2.2  | 6                        | 9                         | .83                    | .728       | .593 |     |
| 652—SDR1307-2R7ML | A             | 2.7  | 8                        | 8.2                       | .83                    | .728       | .593 |     |
| 652—SDR1307-3R3ML | A             | 3.3  | 8.7                      | 7.5                       | .83                    | .728       | .593 |     |
| 652—SDR1307-4R7ML | A             | 4.7  | 10                       | 7                         | .83                    | .728       | .593 |     |
| 652—SDR1307-5R6ML | A             | 5.6  | 15                       | 6.5                       | .83                    | .728       | .593 |     |
| 652—SDR1307-6R8ML | A             | 6.8  | 17                       | 6                         | .83                    | .728       | .593 |     |
| 652—SDR1307-8R2ML | A             | 8.2  | 19                       | 5.8                       | .83                    | .728       | .593 |     |
| 652—SDR1307-100ML | A             | 10   | 21                       | 5.6                       | .83                    | .728       | .593 |     |
| 652—SDR1307-120ML | A             | 12   | 30                       | 4.8                       | .83                    | .728       | .593 |     |
| 652—SDR1307-150ML | A             | 15   | 34                       | 4.5                       | .83                    | .728       | .593 |     |
| 652—SDR1307-180ML | A             | 18   | 36                       | 4.2                       | .83                    | .728       | .593 |     |
| 652—SDR1307-220ML | A             | 22   | 47                       | 3.6                       | .83                    | .728       | .593 |     |
| 652—SDR1307-270ML | A             | 27   | 60                       | 3.3                       | .83                    | .728       | .593 |     |
| 652—SDR1307-330KL | A             | 33   | 65                       | 3.1                       | .83                    | .728       | .593 |     |
| 652—SDR1307-390KL | A             | 39   | 75                       | 2.9                       | .83                    | .728       | .593 |     |
| 652—SDR1307-470KL | A             | 47   | 82                       | 2.7                       | .83                    | .728       | .593 |     |
| 652—SDR1307-560KL | A             | 56   | 95                       | 2.5                       | .83                    | .728       | .593 |     |
| 652—SDR1307-680KL | A             | 68   | 120                      | 2.3                       | .83                    | .728       | .593 |     |
| 652—SDR1307-820KL | A             | 82   | 140                      | 2.1                       | .83                    | .728       | .593 |     |
| 652—SDR1307-101KL | A             | 100  | 180                      | 1.9                       | .83                    | .728       | .593 |     |
| 652—SDR1307-121KL | A             | 120  | 210                      | 1.8                       | .83                    | .728       | .593 |     |
| 652—SDR1307-151KL | A             | 150  | 250                      | 1.6                       | .83                    | .728       | .593 |     |
| 652—SDR1307-181KL | A             | 180  | 280                      | 1.5                       | .83                    | .728       | .593 |     |
| 652—SDR1307-221KL | A             | 220  | 360                      | 1.3                       | .83                    | .728       | .593 |     |
| 652—SDR1307-271KL | A             | 270  | 410                      | 1.2                       | .83                    | .728       | .593 |     |
| 652—SDR1307-331KL | A             | 330  | 520                      | 1.1                       | .83                    | .728       | .593 |     |
| 652—SDR1307-391KL | A             | 390  | 600                      | 1                         | .83                    | .728       | .593 |     |
| 652—SDR1307-471KL | A             | 470  | 720                      | 0.9                       | .83                    | .728       | .593 |     |
| 652—SDR1307-561KL | A             | 560  | 880                      | 0.85                      | .83                    | .728       | .593 |     |
| 652—SDR1307-681KL | A             | 680  | 1000                     | 0.8                       | .83                    | .728       | .593 |     |
| 652—SDR1307-821KL | A             | 820  | 1300                     | 0.75                      | .83                    | .728       | .593 |     |
| 652—SDR1307-102KL | A             | 1000 | 1600                     | 0.65                      | .83                    | .728       | .593 |     |
| SDR1806 Series    |               |      |                          |                           |                        |            |      |     |
| 652—SDR1806-1R0ML | B             | 1    | 4                        | 10                        | .96                    | .84        | .684 |     |
| 652—SDR1806-2R2ML | B             | 2.2  | 6.8                      | 9                         | .96                    | .84        | .684 |     |
| 652—SDR1806-3R3ML | B             | 3.3  | 9.8                      | 7.6                       | .96                    | .84        | .684 |     |
| 652—SDR1806-150ML | B             | 15   | 35                       | 4.3                       | .96                    | .84        | .684 |     |
| 652—SDR1806-220ML | B             | 22   | 45                       | 3.6                       | .96                    | .84        | .684 |     |
| 652—SDR1806-330ML | B             | 33   | 68                       | 3                         | .96                    | .84        | .684 |     |
| 652—SDR1806-470ML | B             | 47   | 95                       | 2.5                       | .96                    | .84        | .684 |     |
| 652—SDR1806-680ML | B             | 68   | 130                      | 2.1                       | .96                    | .84        | .684 |     |
| 652—SDR1806-101KL | B             | 100  | 190                      | 1.7                       | .96                    | .84        | .684 |     |
| 652—SDR1806-151KL | B             | 150  | 270                      | 1.4                       | .96                    | .84        | .684 |     |
| 652—SDR1806-221KL | B             | 220  | 420                      | 1.1                       | .96                    | .84        | .684 |     |
| 652—SDR1806-331KL | B             | 330  | 580                      | 1                         | .96                    | .84        | .684 |     |
| 652—SDR1806-471KL | B             | 470  | 820                      | 0.8                       | .96                    | .84        | .684 |     |
| 652—SDR1806-102KL | B             | 1000 | 1800                     | 0.5                       | .96                    | .84        | .684 |     |
| SDR2207 Series    |               |      |                          |                           |                        |            |      |     |
| 652—SDR2207-1R8ML | C             | 1.8  | 4.5                      | 13                        | 1.12                   | .98        | .798 |     |
| 652—SDR2207-3R3ML | C             | 3.3  | 7.8                      | 9                         | 1.12                   | .98        | .798 |     |
| 652—SDR2207-4R7ML | C             | 4.7  | 8.8                      | 8.5                       | 1.12                   | .98        | .798 |     |
| 652—SDR2207-100ML | C             | 10   | 17.2                     | 6.5                       | 1.12                   | .98        | .798 |     |
| 652—SDR2207-150YL | C             | 15   | 28.8                     | 5                         | 1.12                   | .98        | .798 |     |
| 652—SDR2207-220YL | C             | 22   | 39.4                     | 4                         | 1.12                   | .98        | .798 |     |
| 652—SDR2207-330YL | C             | 33   | 58.4                     | 3.4                       | 1.12                   | .98        | .798 |     |
| 652—SDR2207-470KL | C             | 47   | 91.2                     | 2.8                       | 1.12                   | .98        | .798 |     |
| 652—SDR2207-101KL | C             | 100  | 168                      | 2.2                       | 1.12                   | .98        | .798 |     |
| 652—SDR2207-121KL | C             | 120  | 230                      | 1.6                       | 1.32                   | 1.06       | .934 |     |
| SDR6603 Series    |               |      |                          |                           |                        |            |      |     |
| 652—SDR6603-2R2M  | D             | 2.2  | 70                       | 2.4                       | .83                    | .728       | .593 |     |
| 652—SDR6603-3R3M  | D             | 3.3  | 80                       | 2                         | .83                    | .728       | .593 |     |
| 652—SDR6603-4R7M  | D             | 4.7  | 90                       | 1.5                       | .83                    | .728       | .593 |     |
| 652—SDR6603-6R8M  | D             | 6.8  | 130                      | 1.4                       | .83                    | .728       | .593 |     |
| 652—SDR6603-100M  | D             | 10   | 160                      | 1.1                       | .83                    | .728       | .593 |     |
| 652—SDR6603-470M  | D             | 47   | 640                      | 0.5                       | .83                    | .728       | .593 |     |
| 652—SDR6603-680M  | D             | 68   | 860                      | 0.4                       | .83                    | .728       | .593 |     |
| 652—SDR6603-101M  | D             | 100  | 1300                     | 0.3                       | .83                    | .728       | .593 |     |
| 652—SDR6603-151M  | D             | 150  | 2000                     | 0.25                      | .83                    | .728       | .593 |     |
| 652—SDR6603-221M  | D             | 220  | 3200                     | 0.2                       | .83                    | .728       | .593 |     |
| 652—SDR6603-331M  | D             | 330  | 3800                     | 0.16                      | .83                    | .728       | .593 |     |
| 652—SDR6603-471M  | D             | 470  | 5100                     | 0.15                      | .83                    | .728       | .593 |     |
| 652—SDR6603-102M  | D             | 1000 | 13800                    | 0.07                      | .83                    | .728       | .593 |     |
| SDR7030 Series    |               |      |                          |                           |                        |            |      |     |
| 652—SDR7030-100M  | E             | 10   | 75                       | 1.5                       | .69                    | .508       | .468 |     |
| SDR7045 Series    |               |      |                          |                           |                        |            |      |     |
| 652—SDR7045-331K  | F             | 330  | 1240                     | 0.42                      | .76                    | .546       | .504 |     |

## SDR SERIES: AUTOMOTIVE SMD POWER INDUCTORS

For quantities greater than listed, call for quote.

|                        |   |     |     |      |     |     |      |  |
|------------------------|---|-----|-----|------|-----|-----|------|--|
| <b>SDR1307A Series</b> |   |     |     |      |     |     |      |  |
| 652—SDR1307A-1R5M      | A | 1.5 | 5   | 20   | .96 | .84 | .684 |  |
| 652—SDR1307A-2R2M      | A | 2.2 | 6   | 18   | .96 | .84 | .684 |  |
| 652—SDR1307A-2R7M      | A | 2.7 | 8   | 16   | .96 | .84 | .684 |  |
| 652—SDR1307A-3R3M      | A | 3.3 | 8.7 | 15   | .96 | .84 | .684 |  |
| 652—SDR1307A-4R7M      | A | 4.7 | 10  | 13   | .96 | .84 | .684 |  |
| 652—SDR1307A-5R6M      | A | 5.6 | 15  | 11   | .96 | .84 | .684 |  |
| 652—SDR1307A-6R8M      | A | 6.8 | 17  | 10.5 | .96 | .84 | .684 |  |
| 652—SDR1307A-8R2M      | A | 8.2 | 19  | 9.8  | .96 | .84 | .684 |  |
| 652—SDR1307A-100M      | A | 10  | 21  | 9.2  | .96 | .84 | .684 |  |
| 652—SDR1307A-120M      | A | 12  | 30  | 8    | .96 | .84 | .684 |  |
| 652—SDR1307A-150M      | A | 15  | 34  | 7.5  | .96 | .84 | .684 |  |



## SDR SERIES: AUTOMOTIVE SMD POWER INDUCTORS (CONT.)

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Inductance<br>( $\mu$ H) | Max. DCR<br>(m $\Omega$ ) | Max. DC<br>Current (A) | Price Each |     |      |
|------------------|---------------|------|--------------------------|---------------------------|------------------------|------------|-----|------|
| Mfr.             | Mfr. Part No. |      |                          |                           |                        | 1          | 10  | 100  |
| 652—             | SDR1307A-180M | A    | 18                       | 36                        | 7                      | .96        | .84 | .684 |
| 652—             | SDR1307A-220M | A    | 22                       | 47                        | 6.5                    | .96        | .84 | .684 |
| 652—             | SDR1307A-270M | A    | 27                       | 60                        | 5.5                    | .96        | .84 | .684 |
| 652—             | SDR1307A-330K | A    | 33                       | 65                        | 5                      | .96        | .84 | .684 |
| 652—             | SDR1307A-390K | A    | 39                       | 75                        | 4.6                    | .96        | .84 | .684 |
| 652—             | SDR1307A-470K | A    | 47                       | 82                        | 4.2                    | .96        | .84 | .684 |
| 652—             | SDR1307A-560K | A    | 56                       | 100                       | 3.8                    | .96        | .84 | .684 |
| 652—             | SDR1307A-680K | A    | 68                       | 120                       | 3.5                    | .96        | .84 | .684 |
| 652—             | SDR1307A-820K | A    | 82                       | 140                       | 3.2                    | .96        | .84 | .684 |
| 652—             | SDR1307A-101K | A    | 100                      | 180                       | 3                      | .96        | .84 | .684 |
| 652—             | SDR1307A-121K | A    | 120                      | 210                       | 2.8                    | .96        | .84 | .684 |
| 652—             | SDR1307A-151K | A    | 150                      | 250                       | 2.6                    | .96        | .84 | .684 |
| 652—             | SDR1307A-181K | A    | 180                      | 280                       | 2.3                    | .96        | .84 | .684 |
| 652—             | SDR1307A-221K | A    | 220                      | 360                       | 2.1                    | .96        | .84 | .684 |
| 652—             | SDR1307A-271K | A    | 270                      | 410                       | 1.8                    | .96        | .84 | .684 |
| 652—             | SDR1307A-331K | A    | 330                      | 520                       | 1.6                    | .96        | .84 | .684 |
| 652—             | SDR1307A-391K | A    | 390                      | 600                       | 1.5                    | .96        | .84 | .684 |
| 652—             | SDR1307A-471K | A    | 470                      | 720                       | 1.4                    | .96        | .84 | .684 |
| 652—             | SDR1307A-561K | A    | 560                      | 880                       | 1.3                    | .96        | .84 | .684 |
| 652—             | SDR1307A-681K | A    | 680                      | 1000                      | 1.2                    | .96        | .84 | .684 |
| 652—             | SDR1307A-821K | A    | 820                      | 1300                      | 1.1                    | .96        | .84 | .684 |
| 652—             | SDR1307A-102K | A    | 1000                     | 1600                      | 1                      | .96        | .84 | .684 |

## SRF SERIES: COMMON MODE CHIP INDUCTORS

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.   |               | Fig. | Impedance<br>(Ω) | Max. DCR<br>(mΩ) | Max. DC<br>Current (A) | Price Each |      |     |
|--------------------|---------------|------|------------------|------------------|------------------------|------------|------|-----|
| Mfr.               | Mfr. Part No. |      |                  |                  |                        | 1          | 10   | 100 |
| SRF2012 Series     |               |      |                  |                  |                        |            |      |     |
| 652—SRF2012-670YA  | G             | 67   | 250              | 400              | .28                    | .196       | .168 |     |
| 652—SRF2012-900YA  | G             | 90   | 300              | 400              | .28                    | .196       | .168 |     |
| 652—SRF2012-121YA  | G             | 120  | 300              | 400              | .28                    | .196       | .168 |     |
| 652—SRF2012-181YA  | G             | 180  | 350              | 350              | .28                    | .196       | .168 |     |
| 652—SRF2012-261YA  | G             | 260  | 400              | 300              | .28                    | .196       | .168 |     |
| 652—SRF2012-361YA  | G             | 360  | 450              | 300              | .28                    | .196       | .168 |     |
| SRF2012A Series    |               |      |                  |                  |                        |            |      |     |
| 652—SRF2012A-670YA | G             | 67   | 250              | 400              | .32                    | .224       | .192 |     |
| 652—SRF2012A-900YA | G             | 90   | 300              | 400              | .32                    | .224       | .192 |     |
| 652—SRF2012A-121YA | G             | 120  | 300              | 400              | .32                    | .224       | .192 |     |
| 652—SRF2012A-161YA | G             | 160  | 350              | 350              | .32                    | .224       | .192 |     |
| 652—SRF2012A-181YA | G             | 180  | 350              | 350              | .32                    | .224       | .192 |     |
| 652—SRF2012A-201YA | G             | 200  | 400              | 300              | .32                    | .224       | .192 |     |
| 652—SRF2012A-221YA | G             | 220  | 400              | 300              | .32                    | .224       | .192 |     |
| 652—SRF2012A-261YA | G             | 260  | 400              | 300              | .32                    | .224       | .192 |     |
| 652—SRF2012A-361YA | G             | 360  | 450              | 300              | .32                    | .224       | .192 |     |
| SRF3216A Series    |               |      |                  |                  |                        |            |      |     |
| 652—SRF3216A-900Y  | G             | 90   | 300              | 400              | .57                    | .414       | .383 |     |
| 652—SRF3216A-121Y  | G             | 120  | 300              | 350              | .57                    | .414       | .383 |     |
| 652—SRF3216A-161Y  | G             | 160  | 400              | 350              | .57                    | .414       | .383 |     |
| 652—SRF3216A-221Y  | G             | 220  | 450              | 300              | .57                    | .414       | .383 |     |
| 652—SRF3216A-261Y  | G             | 260  | 500              | 300              | .57                    | .414       | .383 |     |
| 652—SRF3216A-361Y  | G             | 360  | 600              | 300              | .57                    | .414       | .383 |     |
| 652—SRF3216A-601Y  | G             | 600  | 800              | 300              | .57                    | .414       | .383 |     |
| 652—SRF3216A-102Y  | G             | 1000 | 1000             | 230              | .57                    | .414       | .383 |     |
| 652—SRF3216A-222Y  | G             | 2200 | 1200             | 200              | .57                    | .414       | .383 |     |
| SRF4532 Series     |               |      |                  |                  |                        |            |      |     |
| 652—SRF4532-110Y   | H             | 700  | 800              | 300              | .65                    | .468       | .432 |     |
| 652—SRF4532-220Y   | H             | 1000 | 2650             | 200              | .65                    | .468       | .432 |     |
| 652—SRF4532-510Y   | H             | 2000 | 3500             | 200              | .65                    | .468       | .432 |     |
| 652—SRF4532-101Y   | H             | 5000 | 8900             | 200              | .65                    | .468       | .432 |     |