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CM Series Kits and Chip Inductors

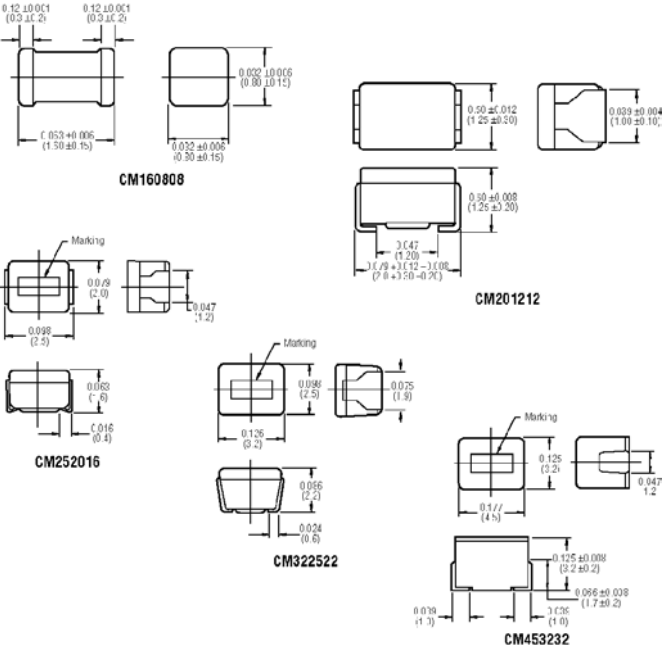
**Inductor Kits**  
These kits offer a wide range of inductive values with a large quantity of each value in convenient and easy to use packaging and allow application testing by research and development or engineering. All Bourns SMT Inductors are compatible with pick and place equipment. Typical applications for the SMT kit series include the input and output of DC/DC converters and power supplies for portable communications equipment, camcorders, LCD TVs, CD players, car radios and much more.

| Stock No. | Mfr.'s Type | Size   | L Range           | No. of Values | Pieces Per Value | Pieces Per Kit | Series | EACH   |
|-----------|-------------|--------|-------------------|---------------|------------------|----------------|--------|--------|
| 754-0460  | CM45-LAB1   | 4.5 mm | 0.1 µH to 1000 µH | 25            | 10               | 250            | E6     | 95.88  |
| 754-0461  | CM32-LAB1   | 3.2 mm | 0.1 µH to 220 µH  | 21            | 10               | 210            | E6     | 106.53 |
| 754-0462  | CM25-LAB1   | 2.5 mm | 10 nH to 100 µH   | 25            | 20               | 500            | E6     | 138.72 |
| 754-0463  | CM20-LAB1   | 2.0 mm | 3.9 nH to 1.0 µH  | 18            | 30               | 540            | E6     | 146.88 |
| 754-0464  | CM16-LAB1   | 1.6 mm | 1.5 nH to 100 nH  | 18            | 30               | 540            | E12    | 122.40 |

Chip Inductors

The CM series offers high resistance to heat and humidity, resistance to mechanical shock and pressure, accurate dimensions for automatic surface mounting and a wide inductance range. Applications include mobile phone, cellular phone, CTV, VCR, HIC and FPD. Flow soldering is recommended at 260°C, 5 sec. max. (2 waves solder method). Infra-red is recommended at 200°C, 60 sec. and peak max. 240°C, 5 sec. max. Vapor phase recommended at 215°C, 20-60 sec. max.

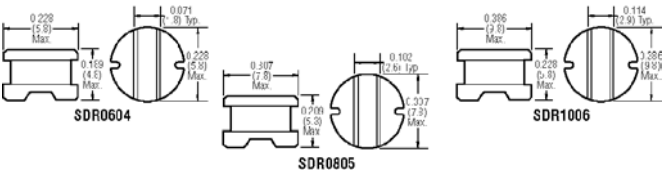
| Stock No. | Mfr.'s Type   | Inductance | Tol. % | Q Min. | Test Frequency MHz | Qty. Per Reel | EACH |
|-----------|---------------|------------|--------|--------|--------------------|---------------|------|
| 754-1815  | CM453232-R10M | 0.1 µH     | 20     | 35     | 25.2               | 500           | .18  |
| 754-1816  | CM453232-R15M | 0.15 µH    | 20     | 35     | 25.2               | 500           | .18  |
| 754-1817  | CM453232-R22M | 0.22 µH    | 20     | 40     | 25.2               | 500           | .18  |
| 754-1818  | CM453232-R33M | 0.33 µH    | 20     | 40     | 25.2               | 500           | .18  |
| 754-1819  | CM453232-R47M | 0.47 µH    | 20     | 40     | 25.2               | 500           | .18  |
| 754-1820  | CM453232-R60K | 1 µH       | 10     | 50     | 7.96               | 500           | .18  |
| 754-1821  | CM453232-R60K | 1 µH       | 10     | 50     | 7.96               | 500           | .18  |
| 754-1822  | CM453232-R60K | 2.2 µH     | 10     | 50     | 7.96               | 500           | .18  |
| 754-1823  | CM453232-R60K | 3.3 µH     | 10     | 50     | 7.96               | 500           | .18  |
| 754-1824  | CM453232-R60K | 4.7 µH     | 10     | 50     | 7.96               | 500           | .18  |
| 754-1825  | CM453232-R60K | 10 µH      | 10     | 50     | 2.52               | 500           | .18  |
| 754-1826  | CM453232-R60K | 15 µH      | 10     | 50     | 2.52               | 500           | .18  |
| 754-1827  | CM453232-R60K | 22 µH      | 10     | 50     | 2.52               | 500           | .18  |
| 754-1828  | CM453232-R60K | 33 µH      | 10     | 50     | 2.52               | 500           | .18  |
| 754-1829  | CM453232-R60K | 47 µH      | 10     | 50     | 2.52               | 500           | .18  |
| 754-1830  | CM453232-R60K | 100 µH     | 10     | 40     | 2.52               | 500           | .18  |
| 754-1831  | CM453232-R60K | 150 µH     | 10     | 40     | 0.796              | 500           | .18  |
| 754-1832  | CM453232-R60K | 220 µH     | 10     | 40     | 0.796              | 500           | .18  |
| 754-1833  | CM453232-R60K | 470 µH     | 10     | 40     | 0.796              | 500           | .18  |
| 754-1834  | CM453232-R60K | 1000 µH    | 10     | 30     | 0.252              | 500           | .18  |
| 754-1835  | CM322522-R10M | 0.1 µH     | 20     | 10     | 100                | 2000          | .17  |
| 754-1836  | CM322522-R15M | 0.15 µH    | 20     | 10     | 100                | 2000          | .17  |
| 754-1837  | CM322522-R22M | 0.22 µH    | 20     | 25     | 25.2               | 2000          | .15  |
| 754-1838  | CM322522-R33M | 0.33 µH    | 20     | 25     | 25.2               | 2000          | .15  |
| 754-1839  | CM322522-R47M | 0.47 µH    | 20     | 25     | 25.2               | 2000          | .14  |
| 754-1840  | CM322522-R60K | 1 µH       | 10     | 30     | 7.96               | 2000          | .15  |
| 754-1841  | CM322522-R60K | 1.5 µH     | 10     | 30     | 7.96               | 2000          | .15  |
| 754-1842  | CM322522-R60K | 2.2 µH     | 10     | 30     | 7.96               | 2000          | .15  |
| 754-1843  | CM322522-R60K | 3.3 µH     | 10     | 30     | 7.96               | 2000          | .15  |
| 754-1844  | CM322522-R60K | 4.7 µH     | 10     | 30     | 7.96               | 2000          | .15  |
| 754-1845  | CM322522-R60K | 10 µH      | 10     | 30     | 2.52               | 2000          | .15  |
| 754-1846  | CM322522-R60K | 15 µH      | 10     | 30     | 2.52               | 2000          | .15  |
| 754-1847  | CM322522-R60K | 22 µH      | 10     | 30     | 2.52               | 2000          | .15  |
| 754-1848  | CM322522-R60K | 33 µH      | 10     | 30     | 2.52               | 2000          | .15  |
| 754-1849  | CM322522-R60K | 47 µH      | 10     | 30     | 2.52               | 2000          | .15  |
| 754-1850  | CM322522-R60K | 100 µH     | 10     | 20     | 0.796              | 2000          | .15  |
| 754-1851  | CM322522-R60K | 150 µH     | 10     | 20     | 0.796              | 2000          | .15  |
| 754-1852  | CM322522-R60K | 220 µH     | 10     | 20     | 0.796              | 2000          | .15  |
| 754-1853  | CM252016-R10K | 0.01 µH    | 10     | 10     | 100                | 2000          | .21  |
| 754-1854  | CM252016-R15K | 0.015 µH   | 10     | 10     | 100                | 2000          | .20  |
| 754-1855  | CM252016-R22K | 0.022 µH   | 10     | 15     | 100                | 2000          | .21  |
| 754-1856  | CM252016-R33K | 0.033 µH   | 10     | 15     | 100                | 2000          | .21  |
| 754-1857  | CM252016-R47K | 0.047 µH   | 10     | 15     | 100                | 2000          | .21  |
| 754-1858  | CM252016-R10K | 0.1 µH     | 10     | 10     | 25.2               | 2000          | .21  |
| 754-1859  | CM252016-R15K | 0.15 µH    | 10     | 10     | 25.2               | 2000          | .20  |
| 754-1860  | CM252016-R22K | 0.22 µH    | 10     | 25     | 25.2               | 2000          | .21  |
| 754-1861  | CM252016-R33K | 0.33 µH    | 10     | 25     | 25.2               | 2000          | .21  |
| 754-1862  | CM252016-R47K | 0.47 µH    | 10     | 25     | 25.2               | 2000          | .19  |
| 754-1863  | CM252016-R60K | 1 µH       | 10     | 25     | 7.96               | 2000          | .19  |
| 754-1864  | CM252016-R60K | 1.5 µH     | 10     | 25     | 7.96               | 2000          | .19  |
| 754-1865  | CM252016-R60K | 2.2 µH     | 10     | 25     | 7.96               | 2000          | .19  |



| Stock No. | Mfr.'s Type   | Inductance | Tol. % | Q Min. | Test Frequency MHz | Qty. Per Reel | EACH |
|-----------|---------------|------------|--------|--------|--------------------|---------------|------|
| 754-1866  | CM252016-3R3K | 3.3 µH     | 10     | 25     | 7.96               | 2000          | .19  |
| 754-1867  | CM252016-4R7K | 4.7 µH     | 10     | 25     | 7.96               | 2000          | .19  |
| 754-1868  | CM252016-100K | 10 µH      | 10     | 25     | 2.52               | 2000          | .19  |
| 754-1869  | CM252016-150K | 15 µH      | 10     | 25     | 2.52               | 2000          | .18  |
| 754-1870  | CM252016-220K | 22 µH      | 10     | 25     | 2.52               | 2000          | .19  |
| 754-1871  | CM252016-330K | 33 µH      | 10     | 20     | 2.52               | 2000          | .19  |
| 754-1872  | CM252016-470K | 47 µH      | 10     | 20     | 2.52               | 2000          | .19  |
| 754-1873  | CM252016-101K | 100 µH     | 10     | 15     | 0.796              | 2000          | .19  |
| 754-1874  | CM201212-3N9M | 0.0039 µH  | 20     | 6      | 100                | 3000          | .29  |
| 754-1875  | CM201212-4N7M | 0.0047 µH  | 20     | 6      | 100                | 3000          | .29  |
| 754-1876  | CM201212-10NK | 0.01 µH    | 10     | 10     | 100                | 3000          | .29  |
| 754-1877  | CM201212-15NK | 0.015 µH   | 10     | 12     | 100                | 3000          | .29  |
| 754-1878  | CM201212-22NK | 0.022 µH   | 10     | 15     | 100                | 3000          | .29  |
| 754-1879  | CM201212-33NK | 0.033 µH   | 10     | 15     | 100                | 3000          | .29  |
| 754-1880  | CM201212-47NK | 0.047 µH   | 10     | 15     | 100                | 3000          | .29  |
| 754-1881  | CM201212-R10K | 0.1 µH     | 10     | 8      | 25.2               | 3000          | .29  |
| 754-1882  | CM201212-R15K | 0.15 µH    | 10     | 10     | 25.2               | 3000          | .29  |
| 754-1883  | CM201212-R22K | 0.22 µH    | 10     | 10     | 25.2               | 3000          | .29  |
| 754-1884  | CM201212-R33K | 0.33 µH    | 10     | 10     | 25.2               | 3000          | .29  |
| 754-1885  | CM201212-R47K | 0.47 µH    | 10     | 10     | 25.2               | 3000          | .29  |
| 754-1886  | CM201212-R60K | 1 µH       | 10     | 8      | 7.96               | 3000          | .29  |
| 754-1915  | CM160808-1N5D | 1.5 nH     | .3 nH  | 8      | 100                | 3000          | .16  |
| 754-1916  | CM160808-2N2D | 2.2 nH     | .3 nH  | 8      | 100                | 3000          | .16  |
| 754-1917  | CM160808-3N3D | 3.3 nH     | .3 nH  | 8      | 100                | 3000          | .16  |
| 754-1918  | CM160808-4N7J | 4.7 nH     | 5      | 9      | 100                | 3000          | .16  |
| 754-1919  | CM160808-10NJ | 10 nH      | 5      | 10     | 100                | 3000          | .16  |
| 754-1920  | CM160808-12NJ | 12 nH      | 5      | 10     | 100                | 3000          | .16  |
| 754-1921  | CM160808-15NJ | 15 nH      | 5      | 10     | 100                | 3000          | .16  |
| 754-1922  | CM160808-22NJ | 22 nH      | 5      | 10     | 100                | 3000          | .16  |
| 754-1923  | CM160808-33NJ | 33 nH      | 5      | 10     | 100                | 3000          | .16  |
| 754-1924  | CM160808-47NJ | 47 nH      | 5      | 11     | 100                | 3000          | .16  |
| 754-1925  | CM160808-R10J | 100 nH     | 5      | 12     | 100                | 3000          | .16  |

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Surface Mount Power Inductors



These surface mount inductors have a small size diameter and a low profile. Applications include input and output of DC/DC converters and power supplier for portable communications equipment, camcorders, LCD TVs, CD players, car radios and much more. The SRR0805 series is shielded, all others are non-shielded.

| Stock No. | Mfr.'s Type  | Inductance | Tol. % | Q Min. | Test Frequency MHz | IDC A Max. | Qty. Per Reel | EACH |
|-----------|--------------|------------|--------|--------|--------------------|------------|---------------|------|
| 754-2030  | SDR0604-3R3M | 3.3        | 20     | 22     | 7.96               | 2.00       | 400           | .38  |
| 754-2031  | SDR0604-4R7M | 4.7        | 20     | 20     | 7.96               | 1.80       | 400           | .37  |

| Stock No. | Mfr.'s Type  | Inductance | Tol. % | Q Min. | Test Frequency MHz | IDC A Max. | Qty. Per Reel | EACH |
|-----------|--------------|------------|--------|--------|--------------------|------------|---------------|------|
| 754-2032  | SDR0604-100M | 10         | 20     | 30     | 2.52               | 1.45       | 400           | .37  |
| 754-2033  | SDR0604-150Y | 15         | 15     | 30     | 2.52               | 1.30       | 400           | .37  |
| 754-2034  | SDR0604-220Y | 22         | 15     | 30     | 2.52               | 1.10       | 400           | .37  |
| 754-2035  | SDR0604-470K | 47         | 10     | 22     | 2.52               | 0.72       | 400           | .37  |
| 754-2036  | SDR0604-101K | 100        | 10     | 22     | 0.796              | 0.52       | 400           | .37  |
| 754-2037  | SDR0604-151K | 150        | 10     | 22     | 0.796              | 0.40       | 400           | .37  |
| 754-2038  | SDR0604-221K | 220        | 10     | 20     | 0.796              | 0.35       | 400           | .37  |
| 754-2039  | SDR0805-100M | 10         | 20     | 25     | 2.52               | 2.30       | 1000          | .43  |
| 754-2040  | SDR0805-220M | 22         | 20     | 20     | 2.52               | 1.50       | 1000          | .43  |
| 754-2042  | SDR0805-470K | 47         | 10     | 15     | 2.52               | 1.00       | 1000          | .43  |
| 754-2043  | SDR0805-101K | 100        | 10     | 12     | 0.796              | 0.72       | 1000          | .43  |
| 754-2044  | SDR0805-151K | 150        | 10     | 12     | 0.796              | 0.58       | 1000          | .43  |
| 754-2045  | SDR0805-221K | 220        | 10     | 12     | 0.796              | 0.49       | 1000          | .43  |
| 754-2046  | SDR0805-471K | 470        | 10     | 12     | 0.796              | 0.34       | 1000          | .43  |
| 754-2047  | SDR1006-100M | 10         | 20     | 30     | 2.52               | 2.60       | 800           | .45  |
| 754-2048  | SDR1006-150M | 15         | 20     | 30     | 2.52               | 2.25       | 800           | .45  |
| 754-2049  | SDR1006-470K | 47         | 10     | 20     | 2.52               | 1.25       | 800           | .45  |
| 754-2050  | SDR1006-101K | 100        | 10     | 15     | 0.796              | 0.97       | 800           | .45  |
| 754-2051  | SDR1006-151K | 150        | 10     | 15     | 0.796              | 0.78       | 800           | .45  |
| 754-2052  | SDR1006-221K | 220        | 10     | 12     | 0.796              | 0.66       | 800           | .45  |
| 754-2053  | SDR1006-471K | 470        | 10     | 12     | 0.796              | 0.42       | 800           | .45  |

Prices Subject To Change — We Always Ship At The Lowest Price In Effect

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