



**EN:** This Datasheet/Document is presented by the manufacturer.

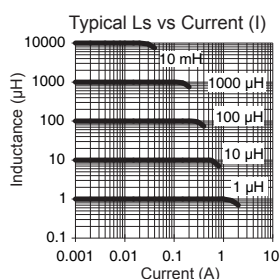
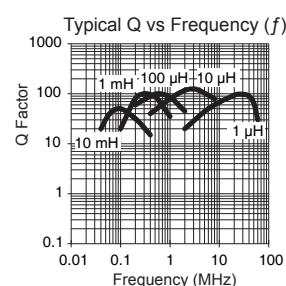
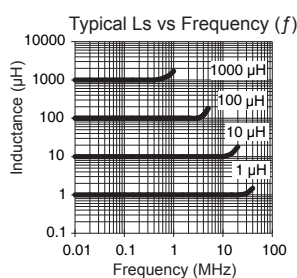
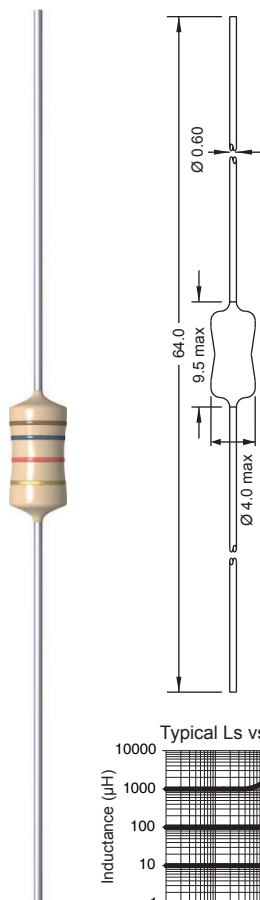
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# SMCC, SMCC/N

Similar to moulded CCSS

(Fixed Choke Coils)

Leaded Inductors



SPQ :

| Packing Form | Taped / Reel     |
|--------------|------------------|
| Axial        | 3500 [-01]       |
| Radial       | 1500 [-31]       |
|              | Taped / Ammopack |
| Axial        | 1200 [-02]       |
| Radial       | 2500 [-32]       |

**Remark:** Difference of SMCC and SMCC/N is that for SMCC/N  $f_L = f_Q$

| Part No      | Inductance<br>$L$ ( $\mu H$ ) | SMCC<br>$f_L$<br>(MHz) | SMCC/N<br>$f_L$<br>(MHz) | Tol<br>$\pm$ (%) | Q<br>min | $f_Q$<br>(MHz) | SRF<br>min<br>(MHz) | DCR<br>max<br>( $\Omega$ ) | Rated DC<br>Current<br>(mA) | Core<br>Material |
|--------------|-------------------------------|------------------------|--------------------------|------------------|----------|----------------|---------------------|----------------------------|-----------------------------|------------------|
| SMCC-R10X-YY | 0.10                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 380                 | 0.08                       | 1600                        | Phenolic         |
| SMCC-R12X-YY | 0.12                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 360                 | 0.10                       | 1550                        | Phenolic         |
| SMCC-R15X-YY | 0.15                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 340                 | 0.10                       | 1500                        | Phenolic         |
| SMCC-R18X-YY | 0.18                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 320                 | 0.10                       | 1480                        | Phenolic         |
| SMCC-R22X-YY | 0.22                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 300                 | 0.10                       | 1450                        | Phenolic         |
| SMCC-R27X-YY | 0.27                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 270                 | 0.11                       | 1400                        | Phenolic         |
| SMCC-R33X-YY | 0.33                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 250                 | 0.12                       | 1350                        | Phenolic         |
| SMCC-R39X-YY | 0.39                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 230                 | 0.13                       | 1300                        | Phenolic         |
| SMCC-R47X-YY | 0.47                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 220                 | 0.14                       | 1280                        | Phenolic         |
| SMCC-R56X-YY | 0.56                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 210                 | 0.15                       | 1240                        | Phenolic         |
| SMCC-R68X-YY | 0.68                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 200                 | 0.16                       | 1230                        | Phenolic         |
| SMCC-R82X-YY | 0.82                          | 1                      | 25.2                     | 10,20            | 45       | 25.2           | 190                 | 0.17                       | 1210                        | Phenolic         |
| SMCC-1R0X-YY | 1.0                           | 1                      | 7.96                     | 5,10,20          | 45       | 7.96           | 205                 | 0.16                       | 1200                        | Ferrite          |
| SMCC-1R2X-YY | 1.2                           | 1                      | 7.96                     | 5,10,20          | 50       | 7.96           | 185                 | 0.18                       | 1150                        | Ferrite          |
| SMCC-1R5X-YY | 1.5                           | 1                      | 7.96                     | 5,10,20          | 50       | 7.96           | 165                 | 0.20                       | 1100                        | Ferrite          |
| SMCC-1R8X-YY | 1.8                           | 1                      | 7.96                     | 5,10,20          | 55       | 7.96           | 155                 | 0.22                       | 1030                        | Ferrite          |
| SMCC-2R2X-YY | 2.2                           | 1                      | 7.96                     | 5,10,20          | 55       | 7.96           | 140                 | 0.25                       | 1000                        | Ferrite          |
| SMCC-2R7X-YY | 2.7                           | 1                      | 7.96                     | 5,10,20          | 60       | 7.96           | 125                 | 0.26                       | 940                         | Ferrite          |
| SMCC-3R3X-YY | 3.3                           | 1                      | 7.96                     | 5,10,20          | 60       | 7.96           | 115                 | 0.29                       | 900                         | Ferrite          |
| SMCC-3R9X-YY | 3.9                           | 1                      | 7.96                     | 5,10,20          | 60       | 7.96           | 105                 | 0.31                       | 850                         | Ferrite          |
| SMCC-4R7X-YY | 4.7                           | 1                      | 7.96                     | 5,10,20          | 60       | 7.96           | 95                  | 0.34                       | 820                         | Ferrite          |
| SMCC-5R6X-YY | 5.6                           | 1                      | 7.96                     | 5,10,20          | 60       | 7.96           | 85                  | 0.38                       | 780                         | Ferrite          |
| SMCC-6R2X-YY | 6.2                           | 1                      | 7.96                     | 5,10,20          | 65       | 7.96           | 75                  | 0.61                       | 670                         | Ferrite          |
| SMCC-6R8X-YY | 6.8                           | 1                      | 7.96                     | 5,10,20          | 65       | 7.96           | 75                  | 0.51                       | 670                         | Ferrite          |
| SMCC-8R2X-YY | 8.2                           | 1                      | 7.96                     | 5,10,20          | 65       | 7.96           | 50                  | 0.48                       | 690                         | Ferrite          |
| SMCC-100X-YY | 10                            | 1                      | 7.96                     | 5,10,20          | 65       | 7.96           | 35                  | 0.49                       | 680                         | Ferrite          |
| SMCC-120X-YY | 12                            | 0.02                   | 2.52                     | 5,10,20          | 50       | 2.52           | 30                  | 0.55                       | 650                         | Ferrite          |
| SMCC-150X-YY | 15                            | 0.02                   | 2.52                     | 5,10,20          | 50       | 2.52           | 20                  | 0.6                        | 610                         | Ferrite          |
| SMCC-180X-YY | 18                            | 0.02                   | 2.52                     | 5,10,20          | 50       | 2.52           | 17                  | 0.67                       | 580                         | Ferrite          |
| SMCC-200X-YY | 20                            | 0.02                   | 2.52                     | 5,10,20          | 50       | 2.52           | 13                  | 0.74                       | 560                         | Ferrite          |
| SMCC-220X-YY | 22                            | 0.02                   | 2.52                     | 5,10,20          | 50       | 2.52           | 13                  | 0.74                       | 560                         | Ferrite          |
| SMCC-270X-YY | 27                            | 0.02                   | 2.52                     | 5,10,20          | 55       | 2.52           | 10                  | 0.83                       | 530                         | Ferrite          |
| SMCC-300X-YY | 30                            | 0.02                   | 2.52                     | 5,10,20          | 55       | 2.52           | 9.00                | 0.92                       | 500                         | Ferrite          |
| SMCC-330X-YY | 33                            | 0.02                   | 2.52                     | 5,10,20          | 55       | 2.52           | 9.00                | 0.92                       | 500                         | Ferrite          |
| SMCC-390X-YY | 39                            | 0.02                   | 2.52                     | 5,10,20          | 55       | 2.52           | 8.00                | 1.02                       | 470                         | Ferrite          |
| SMCC-470X-YY | 47                            | 0.02                   | 2.52                     | 5,10,20          | 40       | 2.52           | 7.50                | 1.10                       | 450                         | Ferrite          |
| SMCC-560X-YY | 56                            | 0.02                   | 2.52                     | 5,10,20          | 40       | 2.52           | 7.00                | 1.23                       | 430                         | Ferrite          |
| SMCC-680X-YY | 68                            | 0.02                   | 2.52                     | 5,10,20          | 40       | 2.52           | 6.50                | 1.35                       | 410                         | Ferrite          |
| SMCC-820X-YY | 82                            | 0.02                   | 2.52                     | 5,10,20          | 35       | 2.52           | 6.00                | 1.54                       | 390                         | Ferrite          |
| SMCC-101X-YY | 100                           | 0.02                   | 2.52                     | 5,10,20          | 30       | 2.52           | 5.00                | 1.70                       | 370                         | Ferrite          |
| SMCC-121X-YY | 120                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 4.50                | 2.40                       | 300                         | Ferrite          |
| SMCC-131X-YY | 130                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 4.20                | 2.80                       | 280                         | Ferrite          |
| SMCC-151X-YY | 150                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 4.20                | 2.80                       | 280                         | Ferrite          |
| SMCC-161X-YY | 160                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 3.90                | 3.00                       | 270                         | Ferrite          |
| SMCC-181X-YY | 180                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 3.90                | 3.00                       | 270                         | Ferrite          |
| SMCC-201X-YY | 200                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 3.70                | 3.30                       | 250                         | Ferrite          |
| SMCC-221X-YY | 220                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 3.70                | 3.30                       | 250                         | Ferrite          |
| SMCC-271X-YY | 270                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 2.80                | 5.70                       | 200                         | Ferrite          |
| SMCC-281X-YY | 280                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 2.80                | 5.70                       | 190                         | Ferrite          |
| SMCC-331X-YY | 330                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 2.70                | 6.40                       | 190                         | Ferrite          |
| SMCC-351X-YY | 350                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 2.40                | 6.40                       | 180                         | Ferrite          |
| SMCC-391X-YY | 390                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 2.40                | 7.00                       | 180                         | Ferrite          |
| SMCC-471X-YY | 470                           | 0.02                   | 0.79                     | 5,10,20          | 70       | 0.79           | 2.20                | 7.90                       | 170                         | Ferrite          |
| SMCC-561X-YY | 560                           | 0.02                   | 0.79                     | 5,10,20          | 60       | 0.79           | 2.00                | 8.80                       | 160                         | Ferrite          |
| SMCC-681X-YY | 680                           | 0.02                   | 0.79                     | 5,10,20          | 55       | 0.79           | 1.90                | 10.0                       | 150                         | Ferrite          |
| SMCC-821X-YY | 820                           | 0.02                   | 0.79                     | 5,10,20          | 55       | 0.79           | 1.60                | 12.0                       | 140                         | Ferrite          |
| SMCC-102X-YY | 1000                          | 0.02                   | 0.79                     | 5,10,20          | 50       | 0.79           | 1.60                | 14.0                       | 130                         | Ferrite          |
| SMCC-122X-YY | 1200                          | 0.02                   | 0.25                     | 5,10,20          | 50       | 0.25           | 1.30                | 16.9                       | 120                         | Ferrite          |
| SMCC-152X-YY | 1500                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 1.25                | 21.6                       | 100                         | Ferrite          |
| SMCC-182X-YY | 1800                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 1.20                | 24.0                       | 95                          | Ferrite          |
| SMCC-202X-YY | 2000                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 1.10                | 32.1                       | 80                          | Ferrite          |
| SMCC-222X-YY | 2200                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 1.10                | 34.7                       | 80                          | Ferrite          |
| SMCC-272X-YY | 2700                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 1.00                | 40.0                       | 75                          | Ferrite          |
| SMCC-332X-YY | 3300                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 0.90                | 59.5                       | 62                          | Ferrite          |
| SMCC-352X-YY | 3500                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 0.70                | 59.5                       | 59                          | Ferrite          |
| SMCC-392X-YY | 3900                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 0.80                | 66.0                       | 59                          | Ferrite          |
| SMCC-472X-YY | 4700                          | 0.02                   | 0.25                     | 5,10,20          | 40       | 0.25           | 0.70                | 74.0                       | 55                          | Ferrite          |
| SMCC-502X-YY | 5000                          | 0.02                   | 0.25                     | 5,10,20          | 30       | 0.25           | 0.55                | 70.0                       | 40                          | Ferrite          |
| SMCC-562X-YY | 5600                          | 0.02                   | 0.25                     | 5,10,20          | 30       | 0.25           | 0.55                | 70.0                       | 40                          | Ferrite          |
| SMCC-682X-YY | 6800                          | 0.02                   | 0.25                     | 5,10,20          | 30       | 0.25           | 0.50                | 95.0                       | 35                          | Ferrite          |
| SMCC-812X-YY | 8100                          | 0.02                   | 0.25                     | 5,10,20          | 30       | 0.25           | 0.40                | 95.0                       | 30                          | Ferrite          |
| SMCC-822X-YY | 8200                          | 0.02                   | 0.25                     | 5,10,20          | 30       | 0.25           | 0.40                | 95.0                       | 30                          | Ferrite          |
| SMCC-103X-YY | 10000                         | 0.02                   | 0.10                     | 5,10,20          | 20       | 0.10           | 0.35                | 115.0                      | 25                          | Ferrite          |