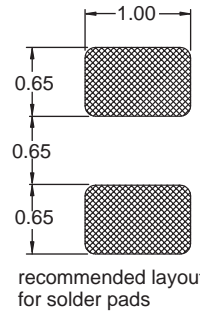
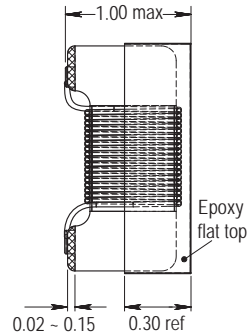
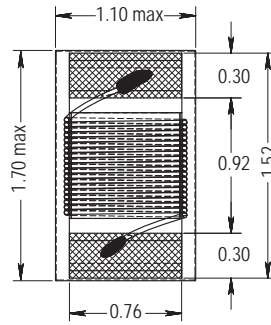
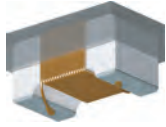


# 0603 ASM

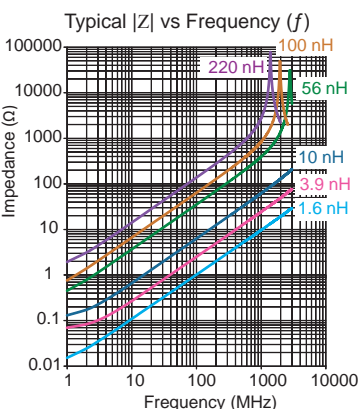
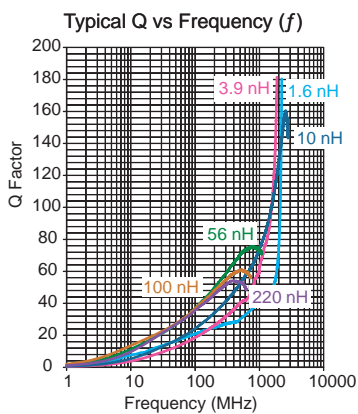
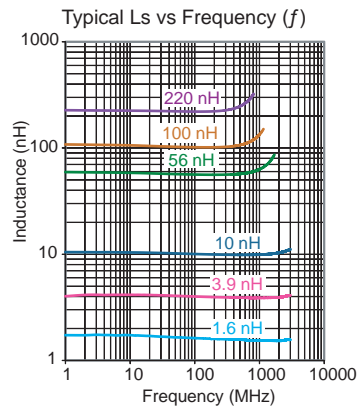
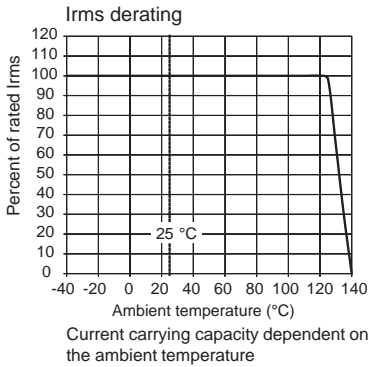


Non-magnetic

Engineer's Kit : EK-0603ASM-X



recommended layout for solder pads



Single layer (typ)

| Part No         | Inductance | fL    | Tol   | Q   | f <sub>Q</sub> | SRF       | DCR     | Rated DC     |
|-----------------|------------|-------|-------|-----|----------------|-----------|---------|--------------|
|                 | L (nH)     | (MHz) | ± (%) | min | (MHz)          | (MHz)     | max (Ω) | Current (mA) |
| 0603ASM-1N6K-YY | 1.6        | 250   | 10    | 20  | 250            | >6000 min | 0.030   | 850          |
| 0603ASM-1N8K-YY | 1.8        | 250   | 10    | 16  | 250            | >6000 min | 0.045   | 700          |
| 0603ASM-2N0K-YY | 2.0        | 250   | 10    | 10  | 250            | 5900 min  | 0.17    | 170          |
| 0603ASM-3N3K-YY | 3.3        | 250   | 10    | 22  | 250            | 6000 min  | 0.10    | 700          |
| 0603ASM-3N6K-YY | 3.6        | 250   | 10    | 20  | 250            | >6000 min | 0.08    | 700          |
| 0603ASM-3N9K-YY | 3.9        | 250   | 10    | 22  | 250            | >6000 min | 0.08    | 700          |
| 0603ASM-4N3K-YY | 4.3        | 250   | 10    | 25  | 250            | >6000 min | 0.07    | 700          |
| 0603ASM-4N7K-YY | 4.7        | 250   | 10    | 25  | 250            | >6000 min | 0.07    | 700          |
| 0603ASM-5N1K-YY | 5.1        | 250   | 10    | 20  | 250            | >6000 min | 0.10    | 700          |
| 0603ASM-5N6K-YY | 5.6        | 250   | 10    | 27  | 250            | 6000 min  | 0.12    | 700          |
| 0603ASM-6N8J-YY | 6.8        | 250   | 5     | 27  | 250            | 5800 min  | 0.11    | 700          |
| 0603ASM-7N5J-YY | 7.5        | 250   | 5     | 30  | 250            | 5400 min  | 0.12    | 700          |
| 0603ASM-8N2J-YY | 8.2        | 250   | 5     | 30  | 250            | 5400 min  | 0.12    | 700          |
| 0603ASM-8N7J-YY | 8.7        | 250   | 5     | 28  | 250            | 4600 min  | 0.109   | 700          |
| 0603ASM-9N5J-YY | 9.5        | 250   | 5     | 25  | 250            | 5000 min  | 0.19    | 700          |
| 0603ASM-010J-YY | 10         | 250   | 5     | 31  | 250            | 4800 min  | 0.13    | 700          |
| 0603ASM-011J-YY | 11         | 250   | 5     | 35  | 250            | 4000 min  | 0.13    | 700          |
| 0603ASM-012J-YY | 12         | 250   | 5     | 35  | 250            | 4000 min  | 0.13    | 700          |
| 0603ASM-015J-YY | 15         | 250   | 5     | 35  | 250            | 4000 min  | 0.17    | 700          |
| 0603ASM-016J-YY | 16         | 250   | 5     | 35  | 250            | 3200 min  | 0.17    | 700          |
| 0603ASM-018J-YY | 18         | 250   | 5     | 35  | 250            | 3100 min  | 0.17    | 700          |
| 0603ASM-022J-YY | 22         | 250   | 5     | 38  | 250            | 3000 min  | 0.19    | 700          |
| 0603ASM-024J-YY | 24         | 250   | 5     | 38  | 250            | 2800 min  | 0.22    | 600          |
| 0603ASM-027J-YY | 27         | 250   | 5     | 40  | 250            | 2800 min  | 0.22    | 600          |
| 0603ASM-030J-YY | 30         | 250   | 5     | 40  | 250            | 2300 min  | 0.22    | 600          |
| 0603ASM-033J-YY | 33         | 250   | 5     | 40  | 250            | 2300 min  | 0.22    | 600          |
| 0603ASM-036J-YY | 36         | 250   | 5     | 40  | 250            | 2200 min  | 0.25    | 600          |
| 0603ASM-039J-YY | 39         | 250   | 5     | 40  | 250            | 2200 min  | 0.25    | 600          |
| 0603ASM-043J-YY | 43         | 250   | 5     | 38  | 250            | 2000 min  | 0.28    | 600          |
| 0603ASM-047J-YY | 47         | 200   | 5     | 38  | 200            | 2000 min  | 0.28    | 600          |
| 0603ASM-051J-YY | 51         | 200   | 5     | 38  | 200            | 1900 min  | 0.28    | 600          |
| 0603ASM-056J-YY | 56         | 200   | 5     | 38  | 200            | 1900 min  | 0.31    | 400          |
| 0603ASM-068J-YY | 68         | 200   | 5     | 37  | 200            | 1700 min  | 0.34    | 400          |
| 0603ASM-072J-YY | 72         | 150   | 5     | 34  | 150            | 1700 min  | 0.49    | 400          |
| 0603ASM-082J-YY | 82         | 150   | 5     | 34  | 150            | 1700 min  | 0.54    | 400          |
| 0603ASM-R10J-YY | 100        | 150   | 5     | 34  | 150            | 1400 min  | 0.58    | 400          |
| 0603ASM-R11J-YY | 110        | 150   | 5     | 34  | 150            | 1350 min  | 0.61    | 300          |
| 0603ASM-R12J-YY | 120        | 150   | 5     | 34  | 150            | 1300 min  | 0.65    | 300          |
| 0603ASM-R15J-YY | 150        | 150   | 5     | 32  | 150            | 1200 min  | 0.90    | 200          |
| 0603ASM-R18J-YY | 180        | 100   | 5     | 32  | 100            | 1100 min  | 1.20    | 200          |
| 0603ASM-R20J-YY | 200        | 100   | 5     | 30  | 100            | 1100 min  | 1.55    | 200          |
| 0603ASM-R22J-YY | 220        | 100   | 5     | 30  | 100            | 1000 min  | 1.60    | 150          |

Core Material : Ceramic

Revision date : 03 Sep 2020

SPQ : Taped / Reel 1000 [-08]  
4000 [-01]  
15000 [-04]

Remarks: - Unlisted inductance values available upon request.  
- 2% and 5% tolerance available upon request.

Chip Inductors for RF / Medical Applications (Wire wound - open)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Fixed Inductors](#) category:*

*Click to view products by [Fastron](#) manufacturer:*

Other Similar products are found below :

[CR32NP-100KC](#) [CR43NP-680KC](#) [CR54NP-820KC](#) [CR54NP-8R5MC](#) [CTX32CT-100](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHL1ECTTP18NJ](#)  
[MHL1JCTTD12NJ](#) [PE-51506NL](#) [PE-53601NL](#) [PE-53602NL](#) [PE-53630NL](#) [PE-53824SNLT](#) [PE-62892NL](#) [PE-92100NL](#) [PG0434.801NLT](#)  
[PG0936.113NLT](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#) [1206CS-471XJ](#) [HC2-2R2TR](#) [HC2LP-R47-R](#) [HC3-2R2-R](#) [1206CS-151XG](#)  
[RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCH8011NP-221L](#) [RCP1317NP-332L](#) [RCP1317NP-391L](#) [RCR1010NP-470M](#) [RCR110DNP-331L](#)  
[DH2280-4R7M](#) [DS1608C-106](#) [ASPI-4020HI-R10M-T](#) [B10TJ](#) [B82477P4333M](#) [B82498B3101J000](#) [B82498B3680J000](#) [ELJ-RE27NJF2](#)  
[1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#)