Fine Inductors

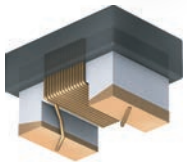
Fastron

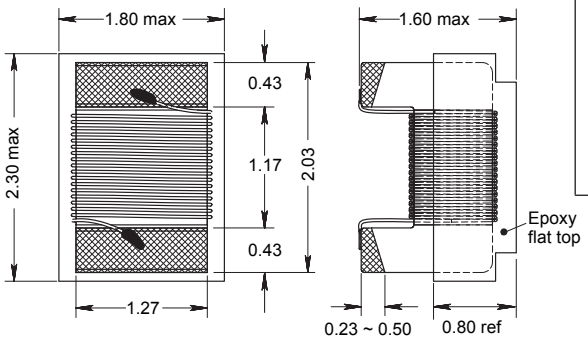
www.fastrongroup.com

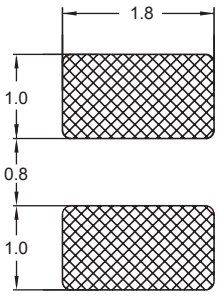
# 0805 AS

**Engineer's Kit : EK-0805AS-X**

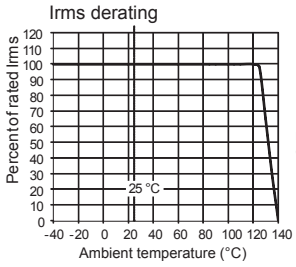
Chip Inductors for RF Applications (Wire wound -open)



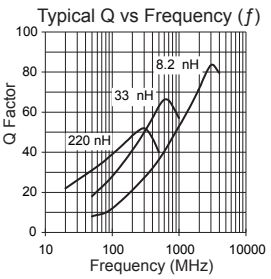


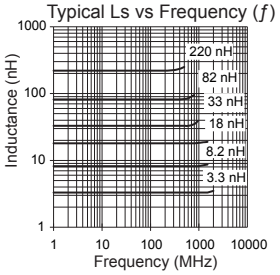



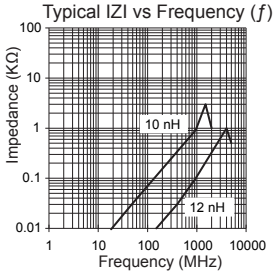

recommended layout for solder pads




Current carrying capacity dependent on the ambient temperature




**Core Material :** Ceramic

**SPQ :** Taped / Reel 1000 [-08]
2500 [-01]
7500 [-04]

**Remarks:**

- For not listed inductance values please check availability with us.
- 2% and 5% tolerance available on request.
- All are AEC-Q200 Standard approved EXCEPT *.
- This series is also available as non-magnetic, part numbering ASM.

Single layer (typ)

| Part No | Inductance L (nH) | $f_L$ (MHz) | Tol ± (%) | Q min | $f_Q$ (MHz) | SRF (MHz) | DCR max (Ω) | Rated DC Current (mA) |
|---|---|---|---|---|---|---|---|---|
| 0805AS-2N7K-YY | 2.7 | 250 | 10 | 80 | 1500 | 6000 min | 0.08 | 600 |
| 0805AS-3N3K-YY | 3.3 | 250 | 10 | 50 | 1500 | 6000 min | 0.08 | 600 |
| 0805AS-3N6K-YY | 3.6 | 250 | 10 | 25 | 1500 | 6000 min | 0.18 | 600 |
| *0805AS-3N9K-YY | 3.9 | 250 | 10 | 25 | 1000 | 6000 min | 0.20 | 600 |
| 0805AS-5N6K-YY | 5.6 | 250 | 10 | 53 | 1000 | 5500 min | 0.11 | 600 |
| 0805AS-5N8K-YY | 5.8 | 250 | 10 | 50 | 1000 | 5500 min | 0.11 | 600 |
| 0805AS-6N8K-YY | 6.8 | 250 | 10 | 50 | 1000 | 5500 min | 0.11 | 600 |
| 0805AS-8N0K-YY | 8.0 | 250 | 10 | 51 | 1000 | 4700 min | 0.12 | 600 |
| 0805AS-8N2K-YY | 8.2 | 250 | 10 | 50 | 1000 | 4700 min | 0.12 | 600 |
| 0805AS-010J-YY | 10 | 250 | 5 | 43 | 1000 | 4300 min | 0.13 | 600 |
| 0805AS-011J-YY | 11 | 250 | 5 | 65 | 1000 | 4000 min | 0.13 | 600 |
| 0805AS-012J-YY | 12 | 250 | 5 | 50 | 500 | 4000 min | 0.15 | 600 |
| 0805AS-015J-YY | 15 | 250 | 5 | 50 | 500 | 3400 min | 0.17 | 600 |
| 0805AS-018J-YY | 18 | 250 | 5 | 53 | 500 | 3300 min | 0.20 | 500 |
| 0805AS-022J-YY | 22 | 250 | 5 | 57 | 500 | 2600 min | 0.22 | 500 |
| 0805AS-027J-YY | 27 | 250 | 5 | 55 | 500 | 2500 min | 0.25 | 500 |
| 0805AS-033J-YY | 33 | 250 | 5 | 60 | 500 | 2050 min | 0.27 | 500 |
| 0805AS-036J-YY | 36 | 250 | 5 | 60 | 500 | 2050 min | 0.27 | 600 |
| 0805AS-039J-YY | 39 | 250 | 5 | 60 | 500 | 2000 min | 0.29 | 500 |
| 0805AS-047J-YY | 47 | 200 | 5 | 65 | 500 | 1650 min | 0.31 | 500 |
| 0805AS-048J-YY | 48 | 200 | 5 | 65 | 500 | 1580 min | 0.30 | 500 |
| 0805AS-056J-YY | 56 | 200 | 5 | 64 | 500 | 1550 min | 0.34 | 500 |
| 0805AS-068J-YY | 68 | 200 | 5 | 65 | 500 | 1450 min | 0.38 | 400 |
| 0805AS-075J-YY | 75 | 200 | 5 | 55 | 500 | 1300 min | 0.42 | 400 |
| 0805AS-082J-YY | 82 | 150 | 5 | 67 | 500 | 1300 min | 0.42 | 400 |
| 0805AS-R10J-YY | 100 | 150 | 5 | 65 | 500 | 1200 min | 0.46 | 400 |
| 0805AS-R12J-YY | 120 | 150 | 5 | 52 | 250 | 1100 min | 0.51 | 400 |
| 0805AS-R13J-YY | 130 | 100 | 5 | 53 | 250 | 920 min | 0.56 | 400 |
| 0805AS-R15J-YY | 150 | 100 | 5 | 60 | 250 | 920 min | 0.56 | 400 |
| 0805AS-R18J-YY | 180 | 100 | 5 | 50 | 250 | 870 min | 0.64 | 400 |
| 0805AS-R20J-YY | 200 | 100 | 5 | 54 | 250 | 850 min | 0.70 | 400 |
| 0805AS-R22J-YY | 220 | 100 | 5 | 59 | 250 | 850 min | 0.70 | 400 |
| 0805AS-R24J-YY | 240 | 100 | 5 | 52 | 250 | 850 min | 0.80 | 400 |
| 0805AS-R25J-YY | 250 | 100 | 5 | 52 | 250 | 850 min | 0.80 | 400 |
| 0805AS-R27J-YY | 270 | 100 | 5 | 40 | 100 | 820 min | 1.50 | 280 |
| 0805AS-R29J-YY | 290 | 100 | 5 | 40 | 100 | 795 min | 1.80 | 260 |
| 0805AS-R30J-YY | 300 | 100 | 5 | 40 | 100 | 795 min | 1.80 | 260 |
| 0805AS-R31J-YY | 310 | 100 | 5 | 40 | 100 | 795 min | 1.80 | 260 |
| 0805AS-R32J-YY | 320 | 100 | 5 | 40 | 100 | 790 min | 1.80 | 260 |
| 0805AS-R33J-YY | 330 | 100 | 5 | 40 | 100 | 790 min | 1.80 | 260 |
| 0805AS-R34J-YY | 340 | 100 | 5 | 40 | 100 | 790 min | 1.80 | 260 |
| 0805AS-R35J-YY | 350 | 100 | 5 | 40 | 100 | 750 min | 2.00 | 200 |
| 0805AS-R39J-YY | 390 | 100 | 5 | 42 | 100 | 750 min | 2.00 | 200 |
| 0805AS-R45J-YY | 450 | 100 | 5 | 40 | 100 | 720 min | 2.50 | 200 |
| 0805AS-R47J-YY | 470 | 100 | 5 | 40 | 100 | 720 min | 2.50 | 170 |
| 0805AS-R51J-YY | 510 | 100 | 5 | 40 | 100 | 650 min | 3.50 | 170 |
| 0805AS-R56J-YY | 560 | 100 | 5 | 40 | 100 | 650 min | 3.50 | 170 |
| 0805AS-R62J-YY | 620 | 100 | 5 | 40 | 100 | 450 min | 3.50 | 170 |
| 0805AS-R68J-YY | 680 | 50 | 5 | 37 | 75 | 400 min | 3.50 | 170 |
| 0805AS-R75K-YY | 750 | 25 | 10 | 23 | 50 | 215 typ | 2.35 | 180 |
| 0805AS-R80K-YY | 800 | 25 | 10 | 23 | 50 | 215 typ | 2.35 | 180 |
| 0805AS-R82K-YY | 820 | 25 | 10 | 23 | 50 | 215 typ | 2.35 | 180 |
| 0805AS-R91K-YY | 910 | 25 | 10 | 23 | 50 | 215 typ | 2.35 | 180 |
| 0805AS-1R0K-YY | 1000 | 25 | 10 | 23 | 50 | 215 typ | 2.35 | 180 |
| 0805AS-1R2K-YY | 1200 | 7.9 | 10 | 15 | 50 | 150 typ | 2.80 | 200 |
| 0805AS-1R5K-YY | 1500 | 7.9 | 10 | 15 | 50 | 150 typ | 3.00 | 200 |
| 0805AS-1R8K-YY | 1800 | 7.9 | 10 | 15 | 50 | 80 typ | 3.00 | 210 |
| 0805AS-2R0K-YY | 2000 | 7.9 | 10 | 15 | 7.9 | 80 typ | 3.50 | 170 |
| 0805AS-2R2K-YY | 2200 | 7.9 | 10 | 15 | 7.9 | 80 typ | 3.80 | 150 |
| 0805AS-2R4K-YY | 2400 | 7.9 | 10 | 15 | 7.9 | 80 typ | 3.80 | 120 |
| 0805AS-2R7K-YY | 2700 | 7.9 | 10 | 15 | 7.9 | 80 typ | 4.80 | 120 |
| 0805AS-3R0K-YY | 3000 | 7.9 | 10 | 15 | 7.9 | 80 typ | 5.00 | 120 |
| 0805AS-3R3K-YY | 3300 | 7.9 | 10 | 15 | 7.9 | 80 typ | 5.10 | 120 |
| 0805AS-3R6K-YY | 3600 | 7.9 | 10 | 15 | 7.9 | 80 typ | 5.50 | 100 |
| 0805AS-3R9K-YY | 3900 | 7.9 | 10 | 15 | 7.9 | 80 typ | 7.10 | 100 |
| 0805AS-4R3K-YY | 4300 | 7.9 | 10 | 15 | 7.9 | 80 typ | 7.20 | 100 |
| 0805AS-4R7K-YY | 4700 | 7.9 | 10 | 15 | 7.9 | 50 typ | 8.00 | 100 |
| 0805AS-5R6K-YY | 5600 | 7.9 | 10 | 15 | 7.9 | 50 typ | 9.50 | 90 |
| *0805AS-6R8K-YY | 6800 | 7.9 | 10 | 15 | 7.9 | 55 typ | 13.3 | 80 |
| *0805AS-8R2K-YY | 8200 | 7.9 | 10 | 15 | 7.9 | 36 typ | 14.0 | 60 |
| *0805AS-100K-YY | 10000 | 7.9 | 10 | 15 | 7.9 | 35 typ | 16.0 | 60 |

Revision date : 08 Sept 2016

● All dimensions in mm