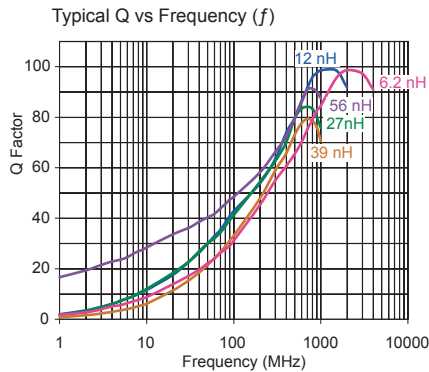
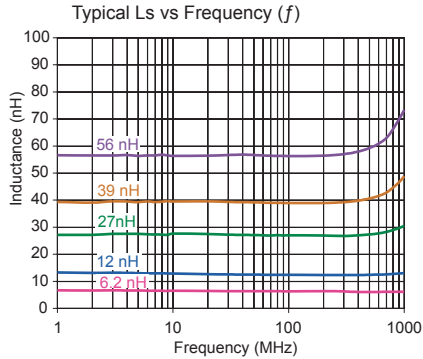
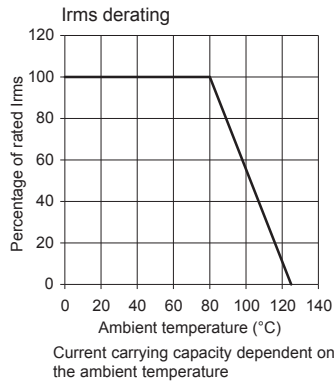
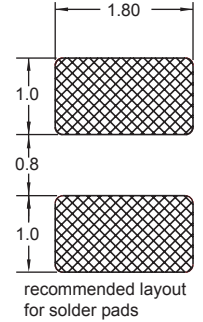
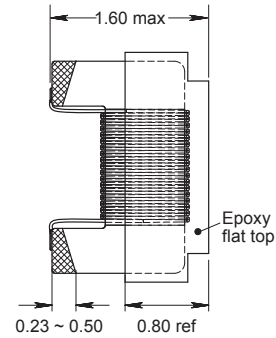
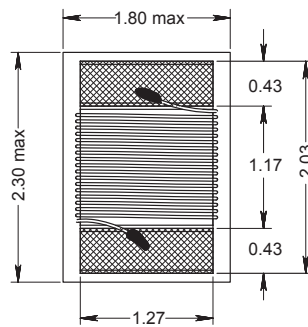
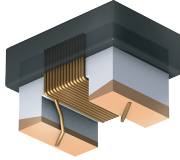


# 0805 AQ

Exceptionally High Q

Engineer's Kit : EK-0805AQ-X



Single layer (typ)

| Part No        | Inductance<br>L (nH) | f <sub>L</sub><br>(MHz) | Tol<br>± (%) | Q<br>min | f <sub>Q</sub><br>(MHz) | SRF<br>min<br>(MHz) | DCR<br>max<br>(Ω) | Rated DC<br>Current<br>(mA) |
|----------------|----------------------|-------------------------|--------------|----------|-------------------------|---------------------|-------------------|-----------------------------|
| 0805AQ-2N5K-YY | 2.5                  | 250                     | 10           | 80       | 1500                    | >6000               | 0.020             | 1600                        |
| 0805AQ-2N7K-YY | 2.7                  | 250                     | 10           | 67       | 1500                    | >6000               | 0.020             | 1600                        |
| 0805AQ-5N6K-YY | 5.6                  | 250                     | 10           | 98       | 1500                    | >6000               | 0.035             | 1600                        |
| 0805AQ-6N2K-YY | 6.2                  | 250                     | 10           | 88       | 1000                    | 4750                | 0.035             | 1600                        |
| 0805AQ-8N7K-YY | 8.7                  | 250                     | 10           | 50       | 1000                    | 5300                | 0.045             | 1600                        |
| 0805AQ-011J-YY | 11                   | 250                     | 5            | 83       | 1000                    | 3000                | 0.060             | 1600                        |
| 0805AQ-012J-YY | 12                   | 250                     | 5            | 80       | 1000                    | 3000                | 0.045             | 1600                        |
| 0805AQ-015J-YY | 15                   | 250                     | 5            | 78       | 500                     | 2950                | 0.060             | 1500                        |
| 0805AQ-016J-YY | 16                   | 250                     | 5            | 78       | 500                     | 2950                | 0.060             | 1500                        |
| 0805AQ-018J-YY | 18                   | 250                     | 5            | 76       | 500                     | 2550                | 0.060             | 1400                        |
| 0805AQ-020J-YY | 20                   | 250                     | 5            | 74       | 500                     | 2050                | 0.055             | 1400                        |
| 0805AQ-022J-YY | 22                   | 250                     | 5            | 60       | 500                     | 2050                | 0.070             | 1400                        |
| 0805AQ-027J-YY | 27                   | 250                     | 5            | 75       | 500                     | 2000                | 0.070             | 1300                        |
| 0805AQ-030J-YY | 30                   | 250                     | 5            | 69       | 500                     | 1950                | 0.095             | 1200                        |
| 0805AQ-039J-YY | 39                   | 250                     | 5            | 74       | 500                     | 1600                | 0.110             | 1100                        |
| 0805AQ-047J-YY | 47                   | 200                     | 5            | 85       | 500                     | 1400                | 0.095             | 1200                        |
| 0805AQ-048J-YY | 48                   | 200                     | 5            | 71       | 500                     | 1400                | 0.095             | 1200                        |
| 0805AQ-051J-YY | 51                   | 200                     | 5            | 65       | 500                     | 1400                | 0.120             | 1000                        |
| 0805AQ-056J-YY | 56                   | 200                     | 5            | 75       | 500                     | 1400                | 0.120             | 1000                        |

**Core Material** : Ceramic

Revision date : 03 Sep 2020

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

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