

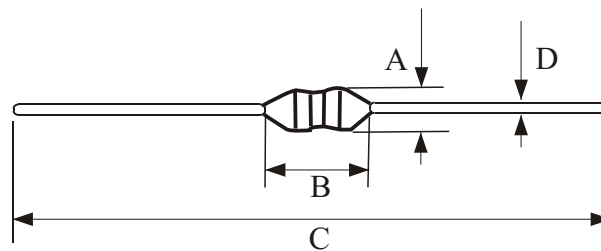
## Features

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability, Ideal for automatic insertion
- Small size, Low cost

## Applications

- Automotive Systems
- VCRS
- Computer peripheral Equipment
- Televisions
- Electronic Games
- General Electronic Applications

## ► Dimensions & Configurations (Unit:mm)



| Type    | $\Phi A(\text{max})$ | B(max) | C $\pm 2$ | $\Phi D$ |
|---------|----------------------|--------|-----------|----------|
| LGA0204 | 2.3                  | 3.5    | 64.0      | 0.5      |
| LGA0305 | 3.0                  | 5.5    | 64.0      | 0.5      |
| LGA0307 | 3.0                  | 7.0    | 64.0      | 0.5      |
| LGA0410 | 4.0                  | 10.5   | 64.0      | 0.6      |
| LGA0510 | 5.0                  | 10.5   | 64.0      | 0.6      |
| LGA0512 | 5.0                  | 14.0   | 64.0      | 0.65     |

Note: Design as Customer's Requested Specifications.

▶ Electrical Characteristics For LGA0204 Series

| Part Number  | Inductance<br>[ $\mu$ H] | Q  | S.R.F<br>[MHz] | DCR(max)<br>[ $\Omega$ ] | IDC<br>[mA] | Test Freq<br>[MHz] |
|--------------|--------------------------|----|----------------|--------------------------|-------------|--------------------|
| LGA0204-R22K | 0.22                     | 35 | 150            | 0.40                     | 400         | 25.2               |
| LGA0204-R27K | 0.27                     | 35 | 150            | 0.43                     | 380         | 25.2               |
| LGA0204-R33K | 0.33                     | 35 | 150            | 0.48                     | 370         | 25.2               |
| LGA0204-R39K | 0.39                     | 35 | 150            | 0.51                     | 350         | 25.2               |
| LGA0204-R47K | 0.47                     | 35 | 150            | 0.56                     | 330         | 25.2               |
| LGA0204-R56K | 0.56                     | 35 | 150            | 0.61                     | 320         | 25.2               |
| LGA0204-R68K | 0.68                     | 35 | 150            | 0.67                     | 310         | 25.2               |
| LGA0204-R82K | 0.82                     | 35 | 150            | 0.74                     | 290         | 25.2               |
| LGA0204-1R0K | 1.00                     | 35 | 150            | 0.80                     | 270         | 25.2               |
| LGA0204-1R2K | 1.20                     | 40 | 110            | 0.90                     | 260         | 7.96               |
| LGA0204-1R5K | 1.50                     | 40 | 80             | 1.0                      | 250         | 7.96               |
| LGA0204-1R8K | 1.80                     | 40 | 60             | 1.1                      | 240         | 7.96               |
| LGA0204-2R2K | 2.20                     | 40 | 45             | 1.2                      | 230         | 7.96               |
| LGA0204-2R7K | 2.70                     | 40 | 40             | 1.3                      | 220         | 7.96               |
| LGA0204-3R3K | 3.30                     | 40 | 38             | 1.4                      | 210         | 7.96               |
| LGA0204-3R9K | 3.90                     | 40 | 35             | 1.5                      | 200         | 7.96               |
| LGA0204-4R7K | 4.70                     | 40 | 32             | 1.6                      | 190         | 7.96               |
| LGA0204-5R6K | 5.60                     | 40 | 30             | 1.7                      | 180         | 7.96               |
| LGA0204-6R8K | 6.80                     | 40 | 28             | 1.9                      | 175         | 7.96               |
| LGA0204-8R2K | 8.20                     | 40 | 26             | 2.0                      | 165         | 7.96               |
| LGA0204-100K | 10.0                     | 40 | 24             | 2.2                      | 160         | 7.96               |
| LGA0204-120K | 12.0                     | 40 | 22             | 2.5                      | 150         | 25.2               |
| LGA0204-150K | 15.0                     | 40 | 20             | 2.8                      | 145         | 25.2               |
| LGA0204-180K | 18.0                     | 40 | 18             | 3.1                      | 140         | 25.2               |
| LGA0204-220K | 22.0                     | 40 | 17             | 3.4                      | 130         | 25.2               |
| LGA0204-270K | 27.0                     | 40 | 16             | 4.3                      | 80          | 25.2               |
| LGA0204-330K | 33.0                     | 40 | 14             | 4.7                      | 76          | 25.2               |
| LGA0204-390K | 39.0                     | 40 | 13             | 5.2                      | 74          | 25.2               |
| LGA0204-470K | 47.0                     | 40 | 12             | 5.8                      | 70          | 25.2               |
| LGA0204-560K | 56.0                     | 40 | 11             | 6.4                      | 68          | 25.2               |
| LGA0204-680K | 68.0                     | 40 | 10             | 7.2                      | 64          | 25.2               |
| LGA0204-820K | 82.0                     | 40 | 9.5            | 11                       | 46          | 25.2               |
| LGA0204-101K | 100                      | 40 | 9.0            | 12                       | 44          | 25.2               |
| LGA0204-121K | 120                      | 40 | 8.0            | 13                       | 42          | 0.796              |
| LGA0204-151K | 150                      | 40 | 6.0            | 16                       | 39          | 0.796              |
| LGA0204-181K | 180                      | 40 | 5.5            | 18                       | 37          | 0.796              |
| LGA0204-221K | 220                      | 40 | 5.0            | 20                       | 35          | 0.796              |
| LGA0204-271K | 270                      | 40 | 4.6            | 26                       | 28          | 0.796              |
| LGA0204-331K | 330                      | 40 | 4.2            | 30                       | 26          | 0.796              |
| LGA0204-391K | 390                      | 40 | 3.8            | 34                       | 25          | 0.796              |
| LGA0204-471K | 470                      | 40 | 3.5            | 38                       | 24          | 0.796              |

▶ Electrical Characteristics For LGA0305 Series

| Part Number  | Inductance<br>[ $\mu$ H] | Q  | S.R.F<br>[MHz] | DCR(max)<br>[ $\Omega$ ] | IDC<br>[mA] | Test Freq<br>[MHz] |
|--------------|--------------------------|----|----------------|--------------------------|-------------|--------------------|
| LGA0305-R22K | 0.22                     | 35 | 150            | 0.40                     | 400         | 25.2               |
| LGA0305-R27K | 0.27                     | 35 | 150            | 0.43                     | 380         | 25.2               |
| LGA0305-R33K | 0.33                     | 35 | 150            | 0.48                     | 370         | 25.2               |
| LGA0305-R39K | 0.39                     | 35 | 150            | 0.51                     | 350         | 25.2               |
| LGA0305-R47K | 0.47                     | 35 | 150            | 0.56                     | 330         | 25.2               |
| LGA0305-R56K | 0.56                     | 40 | 150            | 0.61                     | 320         | 25.2               |
| LGA0305-R68K | 0.68                     | 40 | 150            | 0.67                     | 310         | 25.2               |
| LGA0305-R82K | 0.82                     | 40 | 150            | 0.74                     | 290         | 25.2               |
| LGA0305-1R0K | 1.00                     | 40 | 150            | 0.80                     | 270         | 25.2               |
| LGA0305-1R2K | 1.20                     | 50 | 144            | 0.90                     | 260         | 7.96               |
| LGA0305-1R5K | 1.50                     | 50 | 131            | 1.0                      | 250         | 7.96               |
| LGA0305-1R8K | 1.80                     | 50 | 121            | 1.1                      | 240         | 7.96               |
| LGA0305-2R2K | 2.20                     | 50 | 110            | 1.2                      | 230         | 7.96               |
| LGA0305-2R7K | 2.70                     | 50 | 100            | 1.3                      | 220         | 7.96               |
| LGA0305-3R3K | 3.30                     | 50 | 90             | 1.4                      | 210         | 7.96               |
| LGA0305-3R9K | 3.90                     | 50 | 60             | 1.6                      | 200         | 7.96               |
| LGA0305-4R7K | 4.70                     | 50 | 50             | 1.7                      | 190         | 7.96               |
| LGA0305-5R6K | 5.60                     | 50 | 42             | 1.9                      | 180         | 7.96               |
| LGA0305-6R8K | 6.80                     | 50 | 34             | 2.0                      | 175         | 7.96               |
| LGA0305-8R2K | 8.20                     | 50 | 25             | 2.2                      | 165         | 7.96               |
| LGA0305-100K | 10.0                     | 50 | 21             | 2.5                      | 160         | 7.96               |
| LGA0305-120K | 12.0                     | 50 | 19             | 2.5                      | 150         | 25.2               |
| LGA0305-150K | 15.0                     | 50 | 17             | 2.8                      | 145         | 25.2               |
| LGA0305-180K | 18.0                     | 50 | 13             | 3.1                      | 140         | 25.2               |
| LGA0305-220K | 22.0                     | 50 | 9.6            | 3.4                      | 130         | 25.2               |
| LGA0305-270K | 27.0                     | 50 | 7.2            | 3.8                      | 125         | 25.2               |
| LGA0305-330K | 33.0                     | 50 | 6.3            | 4.1                      | 120         | 25.2               |
| LGA0305-390K | 39.0                     | 50 | 6.3            | 4.5                      | 115         | 25.2               |
| LGA0305-470K | 47.0                     | 50 | 6.3            | 4.9                      | 110         | 25.2               |
| LGA0305-560K | 56.0                     | 50 | 6.2            | 5.3                      | 105         | 25.2               |
| LGA0305-680K | 68.0                     | 50 | 5.7            | 5.8                      | 100         | 25.2               |
| LGA0305-820K | 82.0                     | 50 | 5.3            | 6.3                      | 95          | 25.2               |
| LGA0305-101K | 100                      | 50 | 4.8            | 7.0                      | 90          | 25.2               |
| LGA0305-121K | 120                      | 50 | 3.8            | 13                       | 90          | 0.796              |
| LGA0305-151K | 150                      | 50 | 3.5            | 15                       | 85          | 0.796              |
| LGA0305-181K | 180                      | 50 | 3.3            | 16                       | 80          | 0.796              |
| LGA0305-221K | 220                      | 50 | 3.0            | 17                       | 75          | 0.796              |
| LGA0305-271K | 270                      | 50 | 2.8            | 19                       | 65          | 0.796              |

► Electrical Characteristics For LGA0307 Series

| Part Number  | Inductance<br>[ $\mu$ H] | Q  | S.R.F<br>[MHz] | DCR(max)<br>[ $\Omega$ ] | IDC<br>[mA] | Test Freq<br>[MHz] |
|--------------|--------------------------|----|----------------|--------------------------|-------------|--------------------|
| LGA0307-R22K | 0.22                     | 35 | 150            | 0.40                     | 400         | 25.2               |
| LGA0307-R27K | 0.27                     | 35 | 150            | 0.43                     | 380         | 25.2               |
| LGA0307-R33K | 0.33                     | 35 | 150            | 0.48                     | 370         | 25.2               |
| LGA0307-R39K | 0.39                     | 35 | 150            | 0.51                     | 350         | 25.2               |
| LGA0307-R47K | 0.47                     | 35 | 150            | 0.56                     | 330         | 25.2               |
| LGA0307-R56K | 0.56                     | 40 | 150            | 0.61                     | 320         | 25.2               |
| LGA0307-R68K | 0.68                     | 40 | 150            | 0.67                     | 310         | 25.2               |
| LGA0307-R82K | 0.82                     | 40 | 150            | 0.74                     | 290         | 25.2               |
| LGA0307-1R0K | 1.00                     | 40 | 150            | 0.80                     | 270         | 25.2               |
| LGA0307-1R2K | 1.20                     | 50 | 144            | 0.90                     | 260         | 7.96               |
| LGA0307-1R5K | 1.50                     | 50 | 131            | 1.0                      | 250         | 7.96               |
| LGA0307-1R8K | 1.80                     | 50 | 121            | 1.1                      | 240         | 7.96               |
| LGA0307-2R2K | 2.20                     | 50 | 110            | 1.2                      | 230         | 7.96               |
| LGA0307-2R7K | 2.70                     | 50 | 100            | 1.3                      | 220         | 7.96               |
| LGA0307-3R3K | 3.30                     | 50 | 94             | 1.4                      | 210         | 7.96               |
| LGA0307-3R9K | 3.90                     | 50 | 65             | 1.6                      | 200         | 7.96               |
| LGA0307-4R7K | 4.70                     | 50 | 56             | 1.7                      | 190         | 7.96               |
| LGA0307-5R6K | 5.60                     | 50 | 48             | 1.9                      | 180         | 7.96               |
| LGA0307-6R8K | 6.80                     | 50 | 37             | 2.0                      | 175         | 7.96               |
| LGA0307-8R2K | 8.20                     | 50 | 25             | 2.2                      | 165         | 7.96               |
| LGA0307-100K | 10.0                     | 50 | 21             | 2.5                      | 160         | 7.96               |
| LGA0307-120K | 12.0                     | 50 | 19             | 2.5                      | 150         | 2.52               |
| LGA0307-150K | 15.0                     | 50 | 17             | 2.8                      | 145         | 2.52               |
| LGA0307-180K | 18.0                     | 50 | 13             | 3.1                      | 140         | 2.52               |
| LGA0307-220K | 22.0                     | 50 | 9.6            | 3.4                      | 130         | 2.52               |
| LGA0307-270K | 27.0                     | 50 | 7.2            | 3.8                      | 125         | 2.52               |
| LGA0307-330K | 33.0                     | 50 | 6.3            | 4.1                      | 120         | 2.52               |
| LGA0307-390K | 39.0                     | 50 | 6.3            | 4.5                      | 115         | 2.52               |
| LGA0307-470K | 47.0                     | 50 | 6.3            | 4.9                      | 110         | 2.52               |
| LGA0307-560K | 56.0                     | 50 | 6.2            | 5.3                      | 105         | 2.52               |
| LGA0307-680K | 68.0                     | 50 | 5.7            | 5.8                      | 100         | 2.52               |
| LGA0307-820K | 82.0                     | 50 | 5.3            | 6.3                      | 95          | 2.52               |
| LGA0307-101K | 100                      | 50 | 4.8            | 7.0                      | 90          | 2.52               |
| LGA0307-121K | 120                      | 50 | 3.8            | 13                       | 90          | 0.796              |
| LGA0307-151K | 150                      | 50 | 3.5            | 15                       | 85          | 0.796              |
| LGA0307-181K | 180                      | 50 | 3.3            | 16                       | 80          | 0.796              |
| LGA0307-221K | 220                      | 50 | 3.0            | 17                       | 75          | 0.796              |
| LGA0307-271K | 270                      | 50 | 2.8            | 19                       | 65          | 0.796              |
| LGA0307-331K | 330                      | 50 | 2.6            | 20                       | 60          | 0.796              |
| LGA0307-391K | 390                      | 50 | 2.4            | 22                       | 55          | 0.796              |
| LGA0307-471K | 470                      | 50 | 2.25           | 24                       | 55          | 0.796              |
| LGA0307-561K | 560                      | 50 | 2.10           | 26                       | 50          | 0.796              |
| LGA0307-681K | 680                      | 50 | 1.95           | 28                       | 45          | 0.796              |
| LGA0307-821K | 820                      | 50 | 1.85           | 30                       | 40          | 0.796              |
| LGA0307-102K | 1000                     | 50 | 1.40           | 33                       | 40          | 0.796              |

► Electrical Characteristics For LGA0410 Series

| Part Number  | Inductance<br>[ $\mu$ H] | Q  | S.R.F<br>[MHz] | DCR(max)<br>[ $\Omega$ ] | IDC<br>[mA] | Test Freq<br>[MHz] |
|--------------|--------------------------|----|----------------|--------------------------|-------------|--------------------|
| LGA0410-R22K | 0.22                     | 45 | 300            | 0.10                     | 1400        | 25.2               |
| LGA0410-R27K | 0.27                     | 45 | 270            | 0.11                     | 1320        | 25.2               |
| LGA0410-R33K | 0.33                     | 45 | 250            | 0.12                     | 1280        | 25.2               |
| LGA0410-R39K | 0.39                     | 45 | 230            | 0.13                     | 1200        | 25.2               |
| LGA0410-R47K | 0.47                     | 45 | 220            | 0.14                     | 1150        | 25.2               |
| LGA0410-R56K | 0.56                     | 45 | 200            | 0.15                     | 1100        | 25.2               |
| LGA0410-R68K | 0.68                     | 45 | 190            | 0.16                     | 1030        | 25.2               |
| LGA0410-R82K | 0.82                     | 45 | 172            | 0.17                     | 980         | 25.2               |
| LGA0410-1R0K | 1.00                     | 45 | 157            | 0.19                     | 920         | 25.2               |
| LGA0410-1R2K | 1.20                     | 50 | 144            | 0.21                     | 880         | 7.96               |
| LGA0410-1R5K | 1.50                     | 50 | 131            | 0.23                     | 830         | 7.96               |
| LGA0410-1R8K | 1.80                     | 55 | 121            | 0.25                     | 790         | 7.96               |
| LGA0410-2R2K | 2.20                     | 55 | 110            | 0.28                     | 750         | 7.96               |
| LGA0410-2R7K | 2.70                     | 60 | 100            | 0.30                     | 720         | 7.96               |
| LGA0410-3R3K | 3.30                     | 65 | 94             | 0.34                     | 670         | 7.96               |
| LGA0410-3R9K | 3.90                     | 65 | 55             | 0.37                     | 640         | 7.96               |
| LGA0410-4R7K | 4.70                     | 70 | 56             | 0.39                     | 620         | 7.96               |
| LGA0410-5R6K | 5.60                     | 70 | 48             | 0.43                     | 590         | 7.96               |
| LGA0410-6R8K | 6.80                     | 75 | 37             | 0.48                     | 550         | 7.96               |
| LGA0410-8R2K | 8.20                     | 80 | 25             | 0.52                     | 530         | 7.96               |
| LGA0410-100K | 10.0                     | 65 | 21             | 0.58                     | 500         | 7.96               |
| LGA0410-120K | 12.0                     | 50 | 19             | 1.63                     | 480         | 2.52               |
| LGA0410-150K | 15.0                     | 50 | 17             | 0.72                     | 460         | 2.52               |
| LGA0410-180K | 18.0                     | 50 | 13             | 0.77                     | 430         | 2.52               |
| LGA0410-220K | 22.0                     | 50 | 9.6            | 0.84                     | 410         | 2.52               |
| LGA0410-270K | 27.0                     | 55 | 7.2            | 0.94                     | 390         | 2.52               |
| LGA0410-330K | 33.0                     | 55 | 6.6            | 1.03                     | 370         | 2.52               |
| LGA0410-390K | 39.0                     | 50 | 6.6            | 1.12                     | 350         | 2.52               |
| LGA0410-470K | 47.0                     | 45 | 6.3            | 1.22                     | 340         | 2.52               |
| LGA0410-560K | 56.0                     | 40 | 6.2            | 1.34                     | 320         | 2.52               |
| LGA0410-680K | 68.0                     | 40 | 5.7            | 1.47                     | 305         | 2.52               |
| LGA0410-820K | 82.0                     | 35 | 5.3            | 1.62                     | 290         | 2.52               |
| LGA0410-101K | 100                      | 30 | 4.8            | 1.80                     | 275         | 2.52               |
| LGA0410-121K | 120                      | 55 | 3.8            | 3.70                     | 185         | 0.796              |
| LGA0410-151K | 150                      | 45 | 3.5            | 4.20                     | 175         | 0.796              |
| LGA0410-181K | 180                      | 50 | 3.3            | 4.60                     | 165         | 0.796              |
| LGA0410-221K | 220                      | 55 | 3.0            | 5.10                     | 155         | 0.796              |
| LGA0410-271K | 270                      | 65 | 2.8            | 5.80                     | 145         | 0.796              |
| LGA0410-331K | 330                      | 65 | 2.6            | 6.40                     | 137         | 0.796              |
| LGA0410-391K | 390                      | 65 | 2.4            | 7.00                     | 133         | 0.796              |
| LGA0410-471K | 470                      | 60 | 2.25           | 7.70                     | 126         | 0.796              |
| LGA0410-561K | 560                      | 60 | 2.10           | 8.50                     | 120         | 0.796              |
| LGA0410-681K | 680                      | 55 | 1.95           | 9.40                     | 113         | 0.796              |
| LGA0410-821K | 820                      | 55 | 1.85           | 10.50                    | 105         | 0.796              |
| LGA0410-102K | 1000                     | 50 | 1.40           | 14.00                    | 100         | 0.796              |

## ▶ Electrical Characteristics For LGA0510 Series

| Part Number  | Inductance<br>[ $\mu$ H] | Q  | S.R.F<br>[MHz] | DCR(max)<br>[ $\Omega$ ] | IDC<br>[mA] | Test Freq<br>[MHz] |
|--------------|--------------------------|----|----------------|--------------------------|-------------|--------------------|
| LGA0510-471K | 470                      | 60 | 1.9            | 7.70                     | 126         | 0.796              |
| LGA0510-561K | 560                      | 50 | 1.8            | 8.50                     | 120         | 0.796              |
| LGA0510-681K | 680                      | 55 | 1.5            | 9.00                     | 113         | 0.796              |
| LGA0510-821K | 820                      | 45 | 1.2            | 10.5                     | 105         | 0.796              |
| LGA0510-102K | 1000                     | 45 | 1.0            | 14.0                     | 100         | 0.796              |
| LGA0510-122K | 1200                     | 40 | 0.95           | 16.9                     | 95          | 0.252              |
| LGA0510-152K | 1500                     | 40 | 0.90           | 21.6                     | 90          | 0.252              |
| LGA0510-182K | 1800                     | 40 | 0.85           | 24.0                     | 85          | 0.252              |
| LGA0510-222K | 2200                     | 40 | 0.80           | 34.7                     | 80          | 0.252              |
| LGA0510-272K | 2700                     | 40 | 0.75           | 40.0                     | 75          | 0.252              |
| LGA0510-332K | 3300                     | 40 | 0.70           | 59.5                     | 62          | 0.252              |
| LGA0510-392K | 3900                     | 40 | 0.65           | 66.0                     | 59          | 0.252              |
| LGA0510-472K | 4700                     | 40 | 0.60           | 74.0                     | 55          | 0.252              |
| LGA0510-562K | 5600                     | 30 | 0.50           | 80.0                     | 40          | 0.252              |
| LGA0510-682K | 6800                     | 30 | 0.45           | 85.0                     | 35          | 0.252              |
| LGA0510-822K | 8200                     | 30 | 0.40           | 95.0                     | 30          | 0.252              |
| LGA0510-103K | 10000                    | 20 | 0.35           | 105.0                    | 25          | 0.252              |

## ▶ Electrical Characteristics For LGA0512 Series

| Part Number  | Inductance<br>[ $\mu$ H] | Q  | S.R.F<br>[MHz] | DCR(max)<br>[ $\Omega$ ] | IDC<br>[mA] | Test Freq<br>[MHz] |
|--------------|--------------------------|----|----------------|--------------------------|-------------|--------------------|
| LGA0512-1R0K | 1.0                      | 10 | 300            | 0.022                    | 3800        | 8.0                |
| LGA0512-1R2K | 1.2                      | 10 | 260            | 0.024                    | 3700        | 7.96               |
| LGA0512-1R5K | 1.5                      | 10 | 250            | 0.026                    | 3600        | 7.96               |
| LGA0512-1R8K | 1.8                      | 10 | 240            | 0.029                    | 3100        | 7.96               |
| LGA0512-2R2K | 2.2                      | 10 | 220            | 0.031                    | 2900        | 7.96               |
| LGA0512-2R7K | 2.7                      | 10 | 195            | 0.034                    | 2700        | 7.96               |
| LGA0512-3R3K | 3.3                      | 10 | 155            | 0.038                    | 2600        | 7.96               |
| LGA0512-3R9K | 3.9                      | 10 | 115            | 0.040                    | 2500        | 7.96               |
| LGA0512-4R7K | 4.7                      | 10 | 85             | 0.044                    | 2400        | 7.96               |
| LGA0512-5R6K | 5.6                      | 10 | 55             | 0.048                    | 2100        | 7.96               |
| LGA0512-6R8K | 6.8                      | 10 | 50             | 0.051                    | 2000        | 7.96               |
| LGA0512-8R2K | 8.2                      | 10 | 38             | 0.056                    | 1950        | 7.96               |
| LGA0512-100K | 10                       | 10 | 24             | 0.062                    | 1900        | 7.96               |
| LGA0512-120K | 12                       | 10 | 18             | 0.076                    | 1800        | 2.52               |
| LGA0512-150K | 15                       | 10 | 16             | 0.088                    | 1700        | 2.52               |
| LGA0512-180K | 18                       | 10 | 15             | 0.110                    | 1600        | 2.52               |
| LGA0512-220K | 22                       | 10 | 14             | 0.130                    | 1550        | 2.52               |

▶ Electrical Characteristics For LGA0512 Series

| Part Number  | Inductance<br>[ $\mu$ H] | Q  | S.R.F<br>[MHz] | DCR(max)<br>[ $\Omega$ ] | IDC<br>[mA] | Test Freq<br>[MHz] |
|--------------|--------------------------|----|----------------|--------------------------|-------------|--------------------|
| LGA0512-270K | 27                       | 10 | 13             | 0.14                     | 1300        | 2.52               |
| LGA0512-330K | 33                       | 10 | 11             | 0.20                     | 1200        | 2.52               |
| LGA0512-390K | 39                       | 10 | 10             | 0.22                     | 1000        | 2.52               |
| LGA0512-430K | 43                       | 10 | 9.5            | 0.28                     | 950         | 2.52               |
| LGA0512-470K | 47                       | 10 | 9.5            | 0.28                     | 950         | 2.52               |
| LGA0512-560K | 56                       | 10 | 8.0            | 0.30                     | 900         | 2.52               |
| LGA0512-680K | 68                       | 10 | 7.5            | 0.34                     | 800         | 2.52               |
| LGA0512-820K | 82                       | 10 | 7.0            | 0.39                     | 750         | 2.52               |
| LGA0512-101K | 100                      | 15 | 6.5            | 0.48                     | 700         | 2.52               |
| LGA0512-121K | 120                      | 15 | 5.0            | 0.60                     | 600         | 0.796              |
| LGA0512-151K | 150                      | 15 | 4.5            | 0.90                     | 500         | 0.796              |
| LGA0512-181K | 180                      | 15 | 4.0            | 1.10                     | 400         | 0.796              |
| LGA0512-221K | 220                      | 15 | 3.8            | 1.25                     | 390         | 0.796              |
| LGA0512-271K | 270                      | 15 | 3.5            | 1.85                     | 330         | 0.796              |
| LGA0512-331K | 330                      | 15 | 3.0            | 2.10                     | 310         | 0.796              |
| LGA0512-391K | 390                      | 15 | 2.8            | 2.28                     | 300         | 0.796              |
| LGA0512-471K | 470                      | 15 | 2.5            | 3.22                     | 280         | 0.796              |
| LGA0512-561K | 560                      | 15 | 2.2            | 3.85                     | 270         | 0.796              |
| LGA0512-681K | 680                      | 15 | 2.1            | 4.00                     | 240         | 0.796              |
| LGA0512-821K | 820                      | 15 | 2.0            | 5.00                     | 230         | 0.796              |
| LGA0512-102K | 1000                     | 15 | 1.8            | 5.80                     | 190         | 0.796              |
| LGA0512-122K | 1200                     | 15 | 1.6            | 7.10                     | 180         | 0.796              |
| LGA0512-152K | 1500                     | 15 | 1.5            | 7.80                     | 170         | 0.796              |
| LGA0512-182K | 1800                     | 15 | 1.3            | 11.0                     | 150         | 0.796              |
| LGA0512-222K | 2200                     | 35 | 1.2            | 14.0                     | 120         | 0.796              |
| LGA0512-272K | 2700                     | 35 | 1.1            | 18.0                     | 100         | 0.796              |
| LGA0512-332K | 3300                     | 35 | 1.0            | 22.0                     | 80          | 0.796              |
| LGA0512-392K | 3900                     | 40 | 0.9            | 26.0                     | 60          | 0.252              |
| LGA0512-472K | 4700                     | 50 | 0.7            | 32.0                     | 50          | 0.252              |
| LGA0512-562K | 5600                     | 70 | 0.6            | 34.0                     | 40          | 0.252              |
| LGA0512-682K | 6800                     | 70 | 0.5            | 45.0                     | 34          | 0.252              |
| LGA0512-822K | 8200                     | 50 | 0.4            | 60.0                     | 30          | 0.252              |
| LGA0512-103K | 10000                    | 40 | 0.4            | 70.0                     | 28          | 0.0796             |
| LGA0512-123K | 12000                    | 40 | 0.3            | 82.0                     | 24          | 0.0796             |
| LGA0512-153K | 15000                    | 40 | 0.3            | 89.0                     | 22          | 0.0796             |
| LGA0512-183K | 18000                    | 40 | 0.3            | 141.0                    | 15          | 0.0796             |
| LGA0512-223K | 22000                    | 40 | 0.2            | 170.0                    | 12          | 0.0796             |
| LGA0512-333K | 33000                    | 40 | 0.2            | 250.0                    | 8           | 0.0796             |