

# WURTH ELECTRONICS SMD Inductors

RoHS Compliant This product is RoHS compliant.



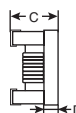
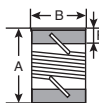
## SMD WIRE WOUND CERAMIC INDUCTOR WE-KI (CONT.)

### Features:

- High thermal stability
- Operating temperature: -40°C to +125°C

### Applications:

- RF transmitter/communications
- Developed for high frequency applications
- Bluetooth and Wireless LAN



| DIMENSIONS: mm |      |      |     |     |     |       |       |      |
|----------------|------|------|-----|-----|-----|-------|-------|------|
| Type           | A    | B    | C   | D   | F   | H     | I     | J    |
| 0402           | 1    | 0.55 | 0.5 | 0.2 | -   | 0.65  | 0.375 | 0.45 |
| 0603           | 1.65 | 1.15 | 0.9 | 0.5 | 0.3 | 0.762 | 0.625 | 0.65 |
| 1008           | 2.5  | 2.0  | 1.6 | 0.5 | 0.5 | 2.2   | 0.9   | 1.2  |

For quantities greater than listed, call for quote.

Wurth Electronics Inductors

| MOUSER STOCK NO. | Wurth Electronics Part No. | Type | Inductance (nH) | Test condition Inductance | Q-factor | Test condition Q Factor | Rated Current (mA) | DC Resistance | SRF (MHz) | Price Each |      |      |      | Reel Quantity | Price per Piece |
|------------------|----------------------------|------|-----------------|---------------------------|----------|-------------------------|--------------------|---------------|-----------|------------|------|------|------|---------------|-----------------|
|                  |                            |      |                 |                           |          |                         |                    |               |           | 1          | 25   | 100  | 500  |               |                 |
| 710-744765043A   | 744765043A                 | 0402 | 4.3             | 250                       | 18       | 250                     | 700                | 0.091         | 6000      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765047A   | 744765047A                 | 0402 | 4.7             | 250                       | 15       | 250                     | 640                | 0.13          | 4775      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765051A   | 744765051A                 | 0402 | 5.1             | 250                       | 23       | 250                     | 800                | 0.083         | 5800      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765056A   | 744765056A                 | 0402 | 5.6             | 250                       | 23       | 250                     | 760                | 0.083         | 5800      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765062A   | 744765062A                 | 0402 | 6.2             | 250                       | 23       | 250                     | 760                | 0.083         | 5800      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765068A   | 744765068A                 | 0402 | 6.8             | 250                       | 20       | 250                     | 680                | 0.083         | 4800      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765075A   | 744765075A                 | 0402 | 7.5             | 250                       | 25       | 250                     | 680                | 0.104         | 5800      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765082A   | 744765082A                 | 0402 | 8.2             | 250                       | 25       | 250                     | 680                | 0.104         | 4400      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765087A   | 744765087A                 | 0402 | 8.7             | 250                       | 18       | 250                     | 480                | 0.2           | 4100      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765090A   | 744765090A                 | 0402 | 9               | 250                       | 25       | 250                     | 680                | 0.104         | 4160      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765095A   | 744765095A                 | 0402 | 9.5             | 250                       | 18       | 250                     | 680                | 0.2           | 4000      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765110A   | 744765110A                 | 0402 | 10              | 250                       | 23       | 250                     | 480                | 0.195         | 3900      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765111A   | 744765111A                 | 0402 | 11              | 250                       | 26       | 250                     | 640                | 0.12          | 3680      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765112A   | 744765112A                 | 0402 | 12              | 250                       | 26       | 250                     | 640                | 0.12          | 3600      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765113A   | 744765113A                 | 0402 | 13              | 250                       | 24       | 250                     | 560                | 0.21          | 3450      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765115A   | 744765115A                 | 0402 | 15              | 250                       | 26       | 250                     | 560                | 0.172         | 3280      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765116A   | 744765116A                 | 0402 | 16              | 250                       | 24       | 250                     | 560                | 0.22          | 3100      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765118A   | 744765118A                 | 0402 | 18              | 250                       | 25       | 250                     | 420                | 0.23          | 3100      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765119A   | 744765119A                 | 0402 | 19              | 250                       | 26       | 250                     | 480                | 0.202         | 3040      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765120A   | 744765120A                 | 0402 | 20              | 250                       | 25       | 250                     | 420                | 0.25          | 3000      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765122A   | 744765122A                 | 0402 | 22              | 250                       | 25       | 250                     | 400                | 0.3           | 2800      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765123A   | 744765123A                 | 0402 | 23              | 250                       | 26       | 250                     | 400                | 0.214         | 2720      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765124A   | 744765124A                 | 0402 | 24              | 250                       | 25       | 250                     | 400                | 0.3           | 2700      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765127A   | 744765127A                 | 0402 | 27              | 250                       | 26       | 250                     | 400                | 0.298         | 2480      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765130A   | 744765130A                 | 0402 | 30              | 250                       | 25       | 250                     | 400                | 0.3           | 2350      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765133A   | 744765133A                 | 0402 | 33              | 250                       | 24       | 250                     | 400                | 0.35          | 2350      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765136A   | 744765136A                 | 0402 | 36              | 250                       | 26       | 250                     | 320                | 0.403         | 2350      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765139A   | 744765139A                 | 0402 | 39              | 250                       | 25       | 250                     | 320                | 0.55          | 2100      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765140A   | 744765140A                 | 0402 | 40              | 250                       | 26       | 250                     | 320                | 0.438         | 2240      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765143A   | 744765143A                 | 0402 | 43              | 250                       | 25       | 250                     | 100                | 0.81          | 2030      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765147A   | 744765147A                 | 0402 | 47              | 200                       | 26       | 200                     | 100                | 0.83          | 2100      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765151A   | 744765151A                 | 0402 | 51              | 200                       | 25       | 200                     | 100                | 0.82          | 1750      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765156A   | 744765156A                 | 0402 | 56              | 200                       | 22       | 200                     | 100                | 0.97          | 1760      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744765210A   | 744765210A                 | 0402 | 100             | 150                       | 20       | 150                     | 100                | 2.52          | 1300      | .36        | .34  | .329 | .302 | 3000          | .25             |
| 710-744761016C   | 744761016C                 | 0603 | 1.6             | 250                       | 18       | 250                     | 700                | 0.03          | 12500     | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761043C   | 744761043C                 | 0603 | 4.3             | 250                       | 22       | 250                     | 700                | 0.07          | 5900      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761047C   | 744761047C                 | 0603 | 4.7             | 250                       | 20       | 250                     | 700                | 0.08          | 5800      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761051C   | 744761051C                 | 0603 | 5.1             | 250                       | 18       | 250                     | 700                | 0.15          | 5700      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761056C   | 744761056C                 | 0603 | 5.6             | 250                       | 16       | 250                     | 700                | 0.19          | 5700      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761075C   | 744761075C                 | 0603 | 7.5             | 250                       | 28       | 250                     | 700                | 0.10          | 4800      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761082C   | 744761082C                 | 0603 | 8.2             | 250                       | 28       | 250                     | 700                | 0.10          | 4700      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761087C   | 744761087C                 | 0603 | 8.7             | 250                       | 28       | 250                     | 700                | 0.10          | 4600      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761111C   | 744761111C                 | 0603 | 11              | 250                       | 30       | 250                     | 700                | 0.10          | 4000      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761112C   | 744761112C                 | 0603 | 12              | 250                       | 32       | 250                     | 700                | 0.10          | 4000      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761118C   | 744761118C                 | 0603 | 18              | 250                       | 35       | 250                     | 700                | 0.12          | 3100      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761120C   | 744761120C                 | 0603 | 20              | 250                       | 35       | 250                     | 700                | 0.12          | 3100      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761124C   | 744761124C                 | 0603 | 24              | 250                       | 35       | 250                     | 700                | 0.14          | 2650      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761133C   | 744761133C                 | 0603 | 33              | 250                       | 36       | 250                     | 600                | 0.2           | 2300      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761136C   | 744761136C                 | 0603 | 36              | 250                       | 36       | 250                     | 600                | 0.2           | 2080      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761139C   | 744761139C                 | 0603 | 39              | 250                       | 36       | 250                     | 600                | 0.21          | 2200      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761147C   | 744761147C                 | 0603 | 47              | 200                       | 35       | 200                     | 600                | 0.23          | 2000      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761151C   | 744761151C                 | 0603 | 51              | 200                       | 32       | 200                     | 600                | 0.24          | 1950      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761156C   | 744761156C                 | 0603 | 56              | 200                       | 32       | 200                     | 600                | 0.25          | 1900      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761168C   | 744761168C                 | 0603 | 68              | 200                       | 32       | 200                     | 600                | 0.35          | 1700      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761182C   | 744761182C                 | 0603 | 82              | 150                       | 30       | 150                     | 400                | 0.58          | 1700      | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761212C   | 744761212C                 | 0603 | 120             | 150                       | 30       | 150                     | 300                | 0.65          | 1300      | .49        | .43  | .32  | .26  | 3000          | .26             |
| 710-744761215C   | 744761215C                 | 0603 | 150             | 100                       | 30       | 150                     | 280                | 0.85          | 990       | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761218C   | 744761218C                 | 0603 | 180             | 100                       | 25       | 100                     | 250                | 1             | 990       | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761222C   | 744761222C                 | 0603 | 220             | 100                       | 25       | 100                     | 250                | 1.8           | 900       | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744761227C   | 744761227C                 | 0603 | 270             | 100                       | 25       | 100                     | 200                | 2.1           | 822       | .33        | .316 | .306 | .282 | 3000          | .238            |
| 710-744762033A   | 744762033A                 | 1008 | 3.3             | 100                       | 50       | 1000                    | 1000               | 0.06          | 6000      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762082A   | 744762082A                 | 1008 | 8.2             | 100                       | 50       | 1000                    | 1000               | 0.06          | 5500      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762110A   | 744762110A                 | 1008 | 10              | 100                       | 50       | 1000                    | 1000               | 0.08          | 4300      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762115A   | 744762115A                 | 1008 | 15              | 100                       | 60       | 500                     | 1000               | 0.08          | 2700      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762122A   | 744762122A                 | 1008 | 22              | 100                       | 60       | 350                     | 1000               | 0.1           | 2500      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762127A   | 744762127A                 | 1008 | 27              | 100                       | 60       | 350                     | 1000               | 0.1           | 1800      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762133A   | 744762133A                 | 1008 | 33              | 100                       | 60       | 350                     | 1000               | 0.1           | 1700      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762147A   | 744762147A                 | 1008 | 47              | 100                       | 60       | 350                     | 1000               | 0.1           | 1500      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762182A   | 744762182A                 | 1008 | 82              | 100                       | 60       | 350                     | 1000               | 0.18          | 1100      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762210A   | 744762210A                 | 1008 | 100             | 100                       | 60       | 350                     | 1000               | 0.18          | 1100      | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762212A   | 744762212A                 | 1008 | 120             | 25                        | 45       | 100                     | 800                | 0.2           | 950       | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762215A   | 744762215A                 | 1008 | 150             | 25                        | 45       | 100                     | 800                | 0.22          | 880       | .83        | .679 | .51  | .40  | 2000          | .305            |
| 710-744762218A   | 744762218A                 | 1008 | 180             | 25                        | 45       | 100                     | 800                | 0.33          | 800       | .83        | .679 | .51  | .40  | 2000          | .               |