

## MTCI0402 Series RF Inductor - 0402 Size

Webpage



Sample kit



Buy Online



Support



Tools



### Features

- Provides high Q characteristics
- Monolithic structure for high reliability
- Support operating frequency bands up to 10GHz

### Product Image

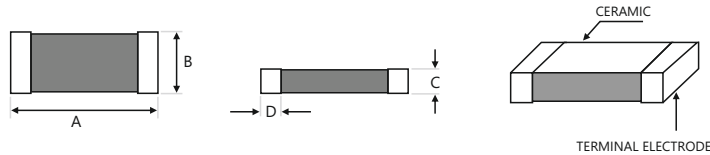


\*Displayed image is only for reference purpose, original product may vary.

### Applications

- RF Filters
- Mobile phones
- Cordless phone
- Antenna Designs

### Dimensions



| A (mm)     | B (mm)      | C (mm)     | D (mm)     |
|------------|-------------|------------|------------|
| 1.0 ± 0.05 | 0.50 ± 0.05 | 0.5 ± 0.05 | 0.2 ± 0.10 |

### Electrical Specifications

| Part Number | Inductance (nH) | Q-value (min) | Test Frequency (MHz) | SRF(GHz) | DCR (Ω) | Rated Current (mA) |
|-------------|-----------------|---------------|----------------------|----------|---------|--------------------|
| MTCI04021R0 | 1               | 8             | 100                  | 10       | 0.08    | 300                |
| MTCI04021R2 | 1.2             | 8             | 100                  | 10       | 0.09    | 300                |
| MTCI04021R5 | 1.5             | 8             | 100                  | 6        | 0.1     | 300                |
| MTCI04021R8 | 1.8             | 8             | 100                  | 6        | 0.12    | 300                |
| MTCI04022R2 | 2.2             | 8             | 100                  | 6        | 0.13    | 300                |
| MTCI04022R4 | 2.4             | 8             | 100                  | 6        | 0.13    | 300                |
| MTCI04022R7 | 2.7             | 8             | 100                  | 6        | 0.13    | 300                |
| MTCI04023R0 | 3               | 8             | 100                  | 6        | 0.16    | 300                |
| MTCI04023R3 | 3.3             | 8             | 100                  | 6        | 0.16    | 300                |
| MTCI04023R9 | 3.9             | 8             | 100                  | 4        | 0.21    | 300                |
| MTCI04024R7 | 4.7             | 8             | 100                  | 4        | 0.21    | 300                |
| MTCI04025R6 | 5.6             | 8             | 100                  | 4        | 0.23    | 300                |
| MTCI04026R8 | 6.8             | 8             | 100                  | 3.9      | 0.25    | 300                |
| MTCI04028R2 | 8.2             | 8             | 100                  | 3.6      | 0.28    | 300                |
| MTCI0402100 | 10              | 8             | 100                  | 3.2      | 0.31    | 300                |
| MTCI0402120 | 12              | 8             | 100                  | 2.7      | 0.4     | 300                |
| MTCI0402150 | 15              | 8             | 100                  | 2.3      | 0.46    | 300                |
| MTCI0402180 | 18              | 8             | 100                  | 2.1      | 0.55    | 300                |
| MTCI0402220 | 22              | 8             | 100                  | 1.9      | 0.6     | 300                |
| MTCI0402270 | 27              | 8             | 100                  | 1.6      | 0.7     | 300                |
| MTCI0402330 | 33              | 8             | 100                  | 1.3      | 0.8     | 200                |
| MTCI0402390 | 39              | 8             | 100                  | 1.2      | 0.9     | 200                |
| MTCI0402470 | 47              | 8             | 100                  | 1        | 1       | 200                |
| MTCI0402560 | 56              | 8             | 100                  | 0.75     | 1       | 200                |
| MTCI0402680 | 68              | 8             | 100                  | 0.75     | 1.2     | 180                |
| MTCI0402820 | 82              | 8             | 100                  | 0.6      | 1.3     | 150                |
| MTCI0402101 | 100             | 8             | 100                  | 0.6      | 1.5     | 150                |
| MTCI0402121 | 120             | 8             | 100                  | 0.6      | 1.6     | 150                |

NOTE:

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