



| PART NUMBER   | INDUCTANCE<br>L (μH) | TOLERANCE<br>% | Q<br>min | F<br>(MHz) | SRF(MHz)<br>min | DCR(OHM)<br>MAX | IDC<br>(MA) max |
|---------------|----------------------|----------------|----------|------------|-----------------|-----------------|-----------------|
| MTC-0306-R22M | 0.22                 | 20             | 25       | 25.20      | 380             | 0.21            | 880             |
| MTC-0306-R27M | 0.27                 | 20             | 25       | 25.20      | 340             | 0.24            | 800             |
| MTC-0306-R33M | 0.33                 | 20             | 25       | 25.20      | 300             | 0.28            | 750             |
| MTC-0306-R39M | 0.39                 | 20             | 25       | 25.20      | 280             | 0.32            | 680             |
| MTC-0306-R47M | 0.47                 | 20             | 25       | 25.20      | 250             | 0.36            | 650             |
| MTC-0306-R56M | 0.56                 | 20             | 25       | 25.20      | 230             | 0.41            | 600             |
| MTC-0306-R68M | 0.68                 | 20             | 25       | 25.20      | 210             | 0.47            | 550             |
| MTC-0306-R82M | 0.82                 | 20             | 45       | 25.20      | 172             | 0.24            | 980             |
| MTC-0306-1R0K | 1.00                 | 10             | 45       | 25.20      | 157             | 0.24            | 920             |
| MTC-0306-1R2K | 1.20                 | 10             | 50       | 7.96       | 144             | 0.27            | 880             |
| MTC-0306-1R5K | 1.50                 | 10             | 50       | 7.96       | 131             | 0.30            | 830             |
| MTC-0306-1R8K | 1.80                 | 10             | 55       | 7.96       | 121             | 0.32            | 790             |
| MTC-0306-2R2K | 2.20                 | 10             | 55       | 7.96       | 110             | 0.35            | 750             |
| MTC-0306-2R7K | 2.70                 | 10             | 60       | 7.96       | 100             | 0.35            | 720             |
| MTC-0306-3R3K | 3.30                 | 10             | 65       | 7.96       | 94              | 0.35            | 670             |
| MTC-0306-3R9K | 3.90                 | 10             | 65       | 7.96       | 86              | 0.37            | 640             |
| MTC-0306-4R7K | 4.70                 | 10             | 70       | 7.96       | 80              | 0.39            | 620             |
| MTC-0306-5R6K | 5.60                 | 10             | 70       | 7.96       | 74              | 0.43            | 590             |
| MTC-0306-6R8K | 6.80                 | 10             | 75       | 7.96       | 58              | 0.48            | 550             |
| MTC-0306-8R2K | 8.20                 | 10             | 80       | 7.96       | 53              | 0.52            | 530             |
| MTC-0306-100K | 10.0                 | 10             | 80       | 7.96       | 45              | 0.58            | 500             |
| MTC-0306-120K | 12.0                 | 10             | 75       | 2.52       | 30              | 0.63            | 480             |
| MTC-0306-150K | 15.0                 | 10             | 70       | 2.52       | 20              | 0.72            | 460             |
| MTC-0306-180K | 18.0                 | 10             | 65       | 2.52       | 14              | 0.77            | 430             |
| MTC-0306-220K | 22.0                 | 10             | 50       | 2.52       | 7.9             | 0.84            | 410             |
| MTC-0306-270K | 27.0                 | 10             | 55       | 2.52       | 7.6             | 0.94            | 390             |
| MTC-0306-330K | 33.0                 | 10             | 55       | 2.52       | 6.3             | 1.03            | 370             |
| MTC-0306-390K | 39.0                 | 10             | 50       | 2.52       | 6.3             | 1.12            | 350             |
| MTC-0306-470K | 47.0                 | 10             | 45       | 2.52       | 6.3             | 1.22            | 340             |
| MTC-0306-560K | 56.0                 | 10             | 40       | 2.52       | 6.2             | 1.34            | 320             |
| MTC-0306-680K | 68.0                 | 10             | 40       | 2.52       | 5.7             | 1.47            | 305             |
| MTC-0306-820K | 82.0                 | 10             | 35       | 2.52       | 5.3             | 1.62            | 290             |
| MTC-0306-101K | 100.0                | 10             | 30       | 2.52       | 4.8             | 1.80            | 275             |
| MTC-0306-121K | 120.0                | 10             | 70       | 0.796      | 3.8             | 3.70            | 185             |
| MTC-0306-151K | 150.0                | 10             | 70       | 0.796      | 3.5             | 4.20            | 175             |
| MTC-0306-181K | 180.0                | 10             | 70       | 0.796      | 3.3             | 4.60            | 165             |
| MTC-0306-221K | 220.0                | 10             | 70       | 0.796      | 3.0             | 5.10            | 155             |
| MTC-0306-271K | 270.0                | 10             | 65       | 0.796      | 2.8             | 6.00            | 145             |
| MTC-0306-331K | 330.0                | 10             | 65       | 0.796      | 2.6             | 6.50            | 137             |
| MTC-0306-391K | 390.0                | 10             | 65       | 0.796      | 2.4             | 7.50            | 133             |
| MTC-0306-471K | 470.0                | 10             | 60       | 0.796      | 2.25            | 8.50            | 126             |
| MTC-0306-561K | 560.0                | 10             | 60       | 0.796      | 2.1             | 9.50            | 120             |
| MTC-0306-681K | 680.0                | 10             | 55       | 0.796      | 1.95            | 12.0            | 113             |
| MTC-0306-821K | 820.0                | 10             | 55       | 0.796      | 1.85            | 14.0            | 110             |
| MTC-0306-102K | 1000.0               | 10             | 50       | 0.796      | 1.4             | 20.0            | 100             |
| MTC-0306-472K | 4700.0               | 10             | 30       | 0.252      | 0.72            | 88.0            | 50              |

**MTC0306-XXXX-E** Last Code "-E" : Pb free, RoHS compliant

Tolerance: M ± 20% , K ± 10% , J ± 5%