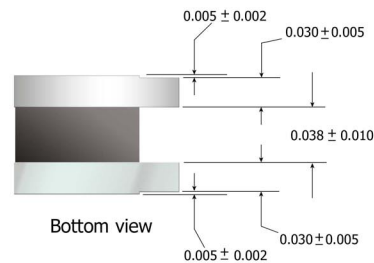
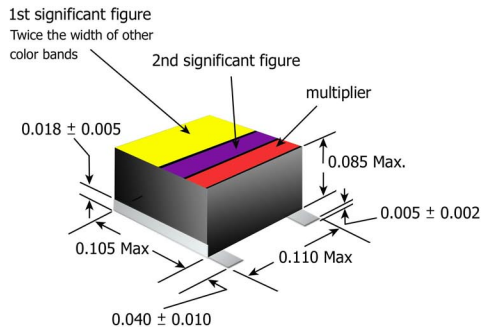


C5000 Series

Fixed Chip Inductors



SPECIFICATIONS

- Operating Temperature: -55 °C to +125 °C
- Standard Terminations: Phosphor bronze with tin-lead coating, welded internal connections.
- Inductance Tolerance: ±10%. Tighter tolerances and other inductance values on request.
- TCL: Part Numbers C5001 to C5012 and C5038 to C5049: +125 PPM/°C Max.
Part Numbers C5013 to C5033 and C5050 to C5070: +80 PPM/°C Max.
Part Numbers C5034 to C5037 and C5071 to C5074: +80 PPM/°C Max.

| With Tab Terminations | | Without Tab Terminations | | Inductance uH | Min Q | Typ Q | Test Freq. MHz | SRF MHz Min | DCR Ohms Max | Current mA Max |
|-----------------------|-------------|--------------------------|--|---------------|-------|-------|----------------|-------------|--------------|----------------|
| Part Number | Part Number | | | | | | | | | |
| C5001 | C5038 | | | 0.010 | 45 | 50 | 150 | 1700 | 0.03 | 630 |
| C5002 | C5039 | | | 0.012 | 45 | 50 | 150 | 1700 | 0.03 | 630 |
| C5003 | C5040 | | | 0.015 | 45 | 50 | 150 | 1530 | 0.05 | 630 |
| C5004 | C5041 | | | 0.018 | 45 | 50 | 150 | 1270 | 0.05 | 630 |
| C5005 | C5042 | | | 0.022 | 36 | 41 | 100 | 1020 | 0.05 | 630 |
| C5006 | C5043 | | | 0.027 | 36 | 41 | 100 | 850 | 0.05 | 630 |
| C5007 | C5044 | | | 0.033 | 38 | 45 | 100 | 850 | 0.06 | 540 |
| C5008 | C5045 | | | 0.039 | 38 | 45 | 100 | 850 | 0.09 | 510 |
| C5009 | C5046 | | | 0.047 | 42 | 50 | 100 | 852 | 0.10 | 460 |
| C5010 | C5047 | | | 0.056 | 38 | 45 | 100 | 680 | 0.11 | 440 |
| C5011 | C5048 | | | 0.068 | 38 | 45 | 100 | 720 | 0.12 | 400 |
| C5012 | C5049 | | | 0.082 | 38 | 45 | 100 | 590 | 0.13 | 390 |
| C5013 | C5050 | | | 0.10 | 42 | 50 | 50 | 590 | 0.13 | 390 |
| C5014 | C5051 | | | 0.12 | 38 | 45 | 50 | 460 | 0.13 | 390 |
| C5015 | C5052 | | | 0.15 | 38 | 45 | 50 | 380 | 0.14 | 380 |
| C5016 | C5053 | | | 0.18 | 41 | 50 | 50 | 360 | 0.17 | 360 |
| C5017 | C5054 | | | 0.22 | 41 | 50 | 50 | 340 | 0.23 | 290 |
| C5018 | C5055 | | | 0.27 | 41 | 50 | 50 | 320 | 0.29 | 260 |
| C5019 | C5056 | | | 0.33 | 41 | 50 | 50 | 250 | 0.35 | 230 |
| C5020 | C5057 | | | 0.39 | 38 | 45 | 50 | 210 | 0.52 | 200 |
| C5021 | C5058 | | | 0.47 | 38 | 45 | 25 | 210 | 0.58 | 190 |
| C5022 | C5059 | | | 0.56 | 42 | 50 | 25 | 170 | 0.64 | 180 |
| C5023 | C5060 | | | 0.68 | 42 | 50 | 25 | 150 | 0.67 | 170 |
| C5024 | C5061 | | | 0.82 | 42 | 50 | 25 | 120 | 0.69 | 170 |
| C5025 | C5062 | | | 1.0 | 42 | 50 | 25 | 100 | 0.75 | 160 |
| C5026 | C5063 | | | 1.2 | 33 | 41 | 7.9 | 93 | 0.87 | 150 |
| C5027 | C5064 | | | 1.5 | 33 | 41 | 7.9 | 85 | 1.3 | 130 |
| C5028 | C5065 | | | 1.8 | 38 | 45 | 7.9 | 80 | 1.4 | 120 |
| C5029 | C5066 | | | 2.2 | 38 | 45 | 7.9 | 76 | 1.5 | 110 |
| C5030 | C5067 | | | 2.7 | 38 | 45 | 7.9 | 55 | 1.7 | 110 |
| C5031 | C5068 | | | 3.3 | 38 | 45 | 7.9 | 46 | 2.1 | 100 |
| C5032 | C5069 | | | 3.9 | 38 | 45 | 7.9 | 38 | 2.3 | 93 |
| C5033 | C5070 | | | 4.7 | 38 | 45 | 7.9 | 36 | 2.7 | 85 |
| C5034 | C5071 | | | 5.6 | 38 | 45 | 7.9 | 34 | 2.9 | 85 |
| C5035 | C5072 | | | 6.8 | 37 | 43 | 7.9 | 32 | 3.0 | 83 |
| C5036 | C5073 | | | 8.2 | 37 | 43 | 7.9 | 29 | 3.2 | 80 |
| C5037 | C5074 | | | 10.0 | 37 | 43 | 7.9 | 28 | 3.8 | 73 |

Ordering note: Add suffix "A" to C/ACM Part No. to specify Gold Plated terminations, "F" for Tin-Lead coated terminations.



COAST / ADVANCED CHIP MAGNETICS

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