



Dimensions

| Code | A | B | C | D | E |
|-----------------|----------------|----------------|--------|---------------|--------|
| Dimensions (mm) | 11.1 ± 0.4 | 10.0 ± 0.3 | 5.0max | 3.0 ± 0.5 | 1.8min |

Specifications

| Characteristic | L0 (μH) | I _{rms} (A) | I _{sat} (A) | DCR _{typ} (mΩ) | DCR _{max} (mΩ) |
|------------------|---------|----------------------|----------------------|-------------------------|-------------------------|
| DCYC1050A-R47M-T | 0.47 | 30 | 40 | 1.04 | 1.14 |
| DCYC1050A-R68M-T | 0.68 | 27 | 30 | 1.7 | 1.87 |
| DCYC1050A-R72M-T | 0.72 | 28 | 35 | 1.55 | 1.71 |
| DCYC1050A-R90M-T | 0.9 | 25 | 35 | 2.3 | 2.5 |
| DCYC1050A-1R0M-T | 1 | 25 | 40 | 2.3 | 2.5 |
| DCYC1050A-1R2M-T | 1.2 | 25 | 20 | 2.3 | 2.5 |
| DCYC1050A-1R5M-T | 1.5 | 23 | 30 | 2.7 | 2.97 |
| DCYC1050A-2R2M-T | 2.2 | 12 | 27 | 3.25 | 4.2 |
| DCYC1050A-2R8M-T | 2.8 | 12 | 20 | 6 | 6.6 |
| DCYC1050A-3R3M-T | 3.3 | 11 | 14.5 | 11 | 13.2 |
| DCYC1050A-4R7M-T | 4.7 | 10 | 13 | 13.2 | 15 |
| DCYC1050A-5R6M-T | 5.6 | 8.5 | 10.5 | 16 | 18.5 |
| DCYC1050A-6R8M-T | 6.8 | 7.5 | 9.5 | 21.5 | 24 |

Inductance (L0) Test Parameters: 100kHz, 0.25V_{rms}, 0.0Adc, +25° C

I_{rms}: DC current for an approximate temperature rise of 40° C without core loss

DC current for approximately 30% rolloff at +25° C

Temperature grade -55°C-125°C