



Dimensions

| Code | A | B | C | D | E |
|-----------------|----------|----------|--------|---------|----------|
| Dimensions (mm) | 13.3±0.5 | 12.2±0.3 | 5.0max | 4.0±0.5 | 2.54±0.3 |

Specifications

| Characteristic | L0 (μH) | I _{rms} (A) | I _{sat} (A) | DCR _{typ} (mΩ) | DCR _{max} (mΩ) |
|------------------|---------|----------------------|----------------------|-------------------------|-------------------------|
| DCYA1350A-R10M-F | 0.10 | 43.0 | 80.0 | 0.52 | 0.59 |
| DCYA1350A-R22M-F | 0.22 | 40.0 | 44.0 | 0.63 | 0.72 |
| DCYA1350A-R33M-F | 0.33 | 35.0 | 44.0 | 0.80 | 0.92 |
| DCYA1350A-R47M-F | 0.47 | 33.0 | 36.0 | 0.80 | 0.92 |
| DCYA1350A-R56M-F | 0.56 | 28.0 | 36.0 | 1.15 | 1.33 |
| DCYA1350A-R68M-F | 0.68 | 27.0 | 32.0 | 1.15 | 1.33 |
| DCYA1350A-R82M-F | 0.82 | 26.0 | 26.0 | 1.40 | 1.61 |
| DCYA1350A-1R0M-F | 1.0 | 22.0 | 30.0 | 2.10 | 2.42 |
| DCYA1350A-1R5M-F | 1.5 | 18.0 | 22.0 | 2.75 | 3.16 |
| DCYA1350A-1R8M-F | 1.8 | 16.0 | 20.0 | 4.00 | 4.60 |
| DCYA1350A-2R2M-F | 2.2 | 15.0 | 18.0 | 4.60 | 5.29 |
| DCYA1350A-3R3M-F | 3.3 | 12.0 | 16.0 | 7.70 | 9.20 |
| DCYA1350A-4R7M-F | 4.7 | 9.3 | 15.0 | 11.00 | 12.70 |
| DCYA1350A-5R6M-F | 5.6 | 8.8 | 15.0 | 12.00 | 13.80 |
| DCYA1350A-6R0M-F | 6.0 | 8.1 | 12.5 | 12.50 | 14.50 |
| DCYA1350A-6R8M-F | 6.8 | 8.3 | 13.0 | 13.00 | 15.00 |
| DCYA1350A-7R8M-F | 7.8 | 7.6 | 15.0 | 16.80 | 19.40 |
| DCYA1350A-8R2M-F | 8.2 | 7.3 | 13.0 | 17.50 | 20.10 |
| DCYA1350A-100M-F | 10.0 | 6.8 | 13.0 | 19.00 | 21.90 |
| DCYA1350A-120M-F | 12.0 | 5.5 | 9.0 | 21.00 | 24.00 |
| DCYA1350A-150M-F | 15.0 | 5.8 | 11.0 | 29.00 | 33.40 |
| DCYA1350A-220M-F | 22.0 | 3.5 | 6.8 | 45.00 | 51.80 |
| DCYA1350A-330M-F | 33.0 | 4.0 | 7.0 | 74.50 | 85.50 |

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-155°C

