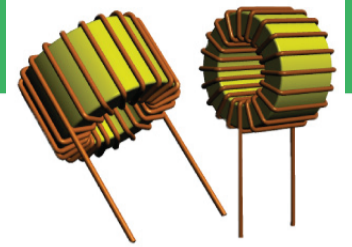


LOW EMI TOROIDAL INDUCTORS

ATCA Series



 RoHS/RoHS II Compliant

FEATURES

- Low EMI/RFI toroid topology
- High saturation current up to 10A
- High efficiency powdered iron core
- Wide operating temperature range -40°C to 105°C
- Vertical and horizontal orientations optimize EMI/RFI
- Compatible with low cost through-hole assembly

APPLICATIONS

- High power switch-mode power supplies
- High power LED ballasts
- Power line filters
- High power audio filters
- Solar inverters
- White goods
- Motor drivers

STANDARD SPECIFICATIONS

| Part No. ATCA-01 Inductance Code | L(μ H) | Tolerance | DCR(Ω) | IDC(A) | Dimension (mm) E (dia.) |
|---|-------------|-----------|-----------------|--------|----------------------------|
| | | (%) | (max) | (max) | (Nom) |
| ATCA-01-200M | 20 | M | 0.021 | 3.0 | 0.70 |
| ATCA-01-300M | 30 | M | 0.035 | 2.0 | 0.60 |
| ATCA-01-600M | 60 | M | 0.038 | 3.0 | 0.70 |
| ATCA-01-680M | 68 | M | 0.101 | 1.0 | 0.45 |
| ATCA-01-101M | 100 | M | 0.081 | 2.0 | 0.60 |
| ATCA-01-221M | 220 | M | 0.190 | 1.0 | 0.45 |
| Part No. ATCA-02 Inductance Code | | | | | |
| ATCA-02-220M | 22 | M | 0.014 | 5.0 | 0.95 |
| ATCA-02-290M | 29 | M | 0.020 | 4.0 | 0.85 |
| ATCA-02-350M | 35 | M | 0.026 | 3.0 | 0.80 |
| ATCA-02-580M | 58 | M | 0.061 | 2.0 | 0.60 |
| ATCA-02-900M | 90 | M | 0.044 | 3.0 | 0.80 |
| ATCA-02-111M | 110 | M | 0.069 | 2.0 | 0.65 |
| ATCA-02-131M | 130 | M | 0.146 | 1.0 | 0.45 |
| ATCA-02-471M | 470 | M | 0.286 | 1.0 | 0.45 |
| Part No. ATCA-03 Inductance Code | | | | | |
| ATCA-03-250M | 25 | M | 0.016 | 5.0 | 1.00 |
| ATCA-03-320M | 32 | M | 0.021 | 4.0 | 0.90 |
| ATCA-03-430M | 43 | M | 0.030 | 3.0 | 0.80 |
| ATCA-03-650M | 65 | M | 0.055 | 2.0 | 0.65 |
| ATCA-03-111M | 110 | M | 0.042 | 4.0 | 0.85 |
| ATCA-03-131M | 130 | M | 0.055 | 3.0 | 0.80 |
| ATCA-03-151M | 150 | M | 0.159 | 1.0 | 0.45 |
| ATCA-03-231M | 230 | M | 0.108 | 2.0 | 0.65 |

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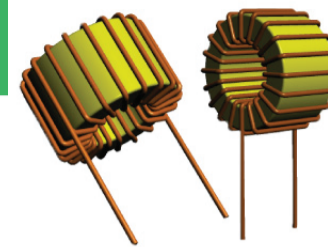


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LOW EMI TOROIDAL INDUCTORS

ATCA series



 RoHS/RoHS II Compliant

STANDARD SPECIFICATIONS

| Part No. ATCA-04 Inductance Code | L(μ H) | Tolerance | DCR(Ω) | IDC(A) | Dimension (mm) E (dia.) |
|---|-------------|-----------|-----------------|--------|-------------------------------|
| | | (%) | (max) | (max) | (Nom) |
| ATCA-04-500M | 50 | M | 0.022 | 5.0 | 1.00 |
| ATCA-04-600M | 60 | M | 0.030 | 4.0 | 0.90 |
| ATCA-04-750M | 75 | M | 0.039 | 3.0 | 0.80 |
| ATCA-04-820M | 82 | M | 0.042 | 3.0 | 0.80 |
| ATCA-04-101M | 100 | M | 0.033 | 5.0 | 1.00 |
| ATCA-04-151M | 150 | M | 0.042 | 5.0 | 1.00 |
| ATCA-04-221M | 220 | M | 0.059 | 4.0 | 0.90 |
| ATCA-04-271M | 270 | M | 0.081 | 3.0 | 0.80 |
| ATCA-04-321M | 320 | M | 0.131 | 2.0 | 0.65 |
| ATCA-04-431M | 430 | M | 0.150 | 2.0 | 0.64 |
| ATCA-04-961M | 960 | M | 0.438 | 1.0 | 0.50 |
| Part No. ATCA-05 Inductance Code | | | | | |
| ATCA-05-900M | 90 | M | 0.034 | 5.0 | 1.00 |
| ATCA-05-141M | 140 | M | 0.064 | 3.0 | 0.80 |
| ATCA-05-201M | 200 | M | 0.114 | 2.0 | 0.65 |
| ATCA-05-321M | 320 | M | 0.068 | 5.0 | 1.00 |
| ATCA-05-451M | 450 | M | 0.174 | 2.0 | 0.65 |
| ATCA-05-471M | 470 | M | 0.354 | 1.0 | 0.45 |
| ATCA-05-182M | 1800 | M | 0.680 | 1.0 | 0.45 |
| Part No. ATCA-06 Inductance Code | | | | | |
| ATCA-06-820M | 82 | M | 0.033 | 5.0 | 1.00 |
| ATCA-06-101M | 100 | M | 0.042 | 4.0 | 1.01 |
| ATCA-06-131M | 130 | M | 0.061 | 3.0 | 0.85 |
| ATCA-06-221M | 220 | M | 0.121 | 2.0 | 0.70 |
| ATCA-06-301M | 300 | M | 0.064 | 5.0 | 1.00 |
| ATCA-06-391M | 390 | M | 0.088 | 4.0 | 0.90 |
| ATCA-06-471M | 470 | M | 0.342 | 1.0 | 0.50 |
| ATCA-06-501M | 500 | M | 0.124 | 3.0 | 0.80 |
| ATCA-06-781M | 780 | M | 0.225 | 2.0 | 0.70 |
| ATCA-06-132M | 1300 | M | 0.585 | 1.0 | 0.50 |

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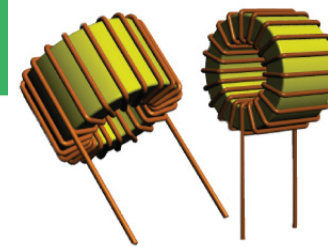


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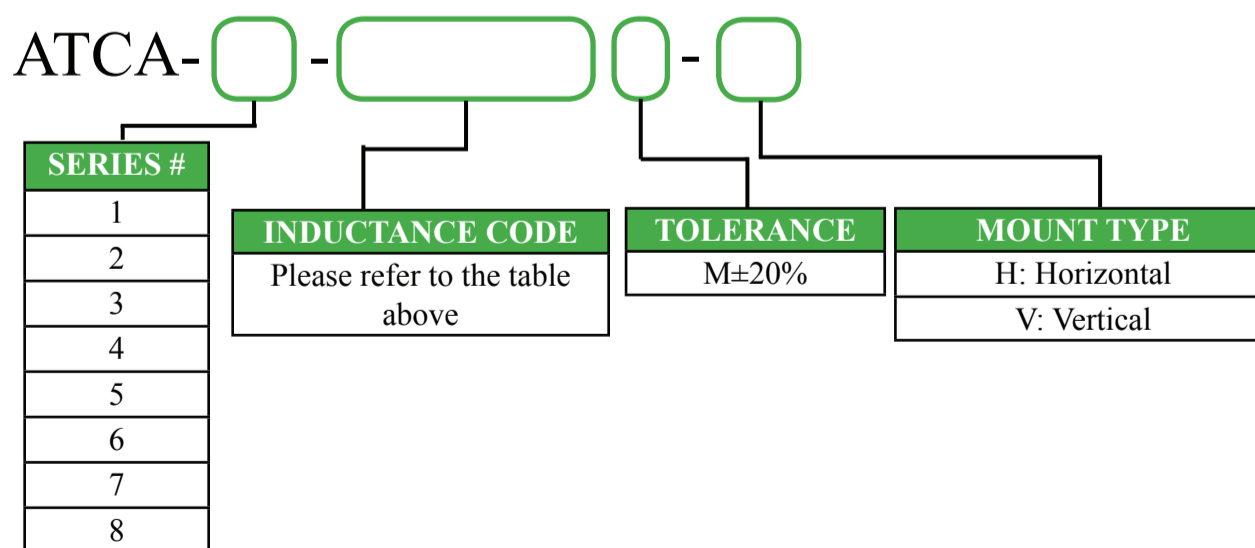


 RoHS/RoHS II Compliant

STANDARD SPECIFICATIONS

| Part No. ATCA-07 Inductance Code | L(μ H) | Tolerance | DCR(Ω) | IDC(A) | Dimension (mm) E (dia.) |
|-------------------------------------|-------------|-----------|-----------------|--------|-------------------------------|
| | | (%) | (max) | (max) | (Nom) |
| ATCA-07-300M | 30 | M | 0.009 | 10.0 | 1.60 |
| ATCA-07-350M | 35 | M | 0.010 | 10.0 | 1.60 |
| ATCA-07-560M | 56 | M | 0.020 | 7.0 | 1.30 |
| ATCA-07-680M | 68 | M | 0.021 | 7.0 | 1.30 |
| ATCA-07-820M | 82 | M | 0.023 | 7.0 | 1.30 |
| ATCA-07-101M | 100 | M | 0.036 | 5.0 | 1.00 |
| ATCA-07-151M | 150 | M | 0.053 | 4.0 | 1.00 |
| ATCA-07-201M | 200 | M | 0.078 | 3.0 | 0.85 |
| ATCA-07-301M | 300 | M | 0.142 | 2.0 | 0.70 |
| ATCA-07-851M | 850 | M | 0.211 | 2.0 | 0.70 |
| Part No. ATCA-08 Inductance Code | | | | | |
| ATCA-08-750M | 75 | M | 0.014 | 10.0 | 1.60 |
| ATCA-08-131M | 130 | M | 0.031 | 7.0 | 1.30 |
| ATCA-08-201M | 200 | M | 0.056 | 5.0 | 1.00 |
| ATCA-08-251M | 250 | M | 0.027 | 10.0 | 1.60 |
| ATCA-08-471M | 470 | M | 0.064 | 7.0 | 1.30 |
| ATCA-08-681M | 680 | M | 0.105 | 5.0 | 1.00 |

PART IDENTIFICATION AND ORDERING INFORMATION



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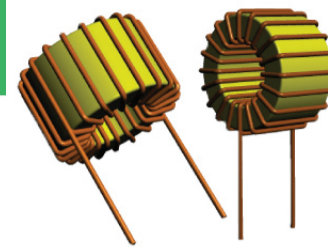


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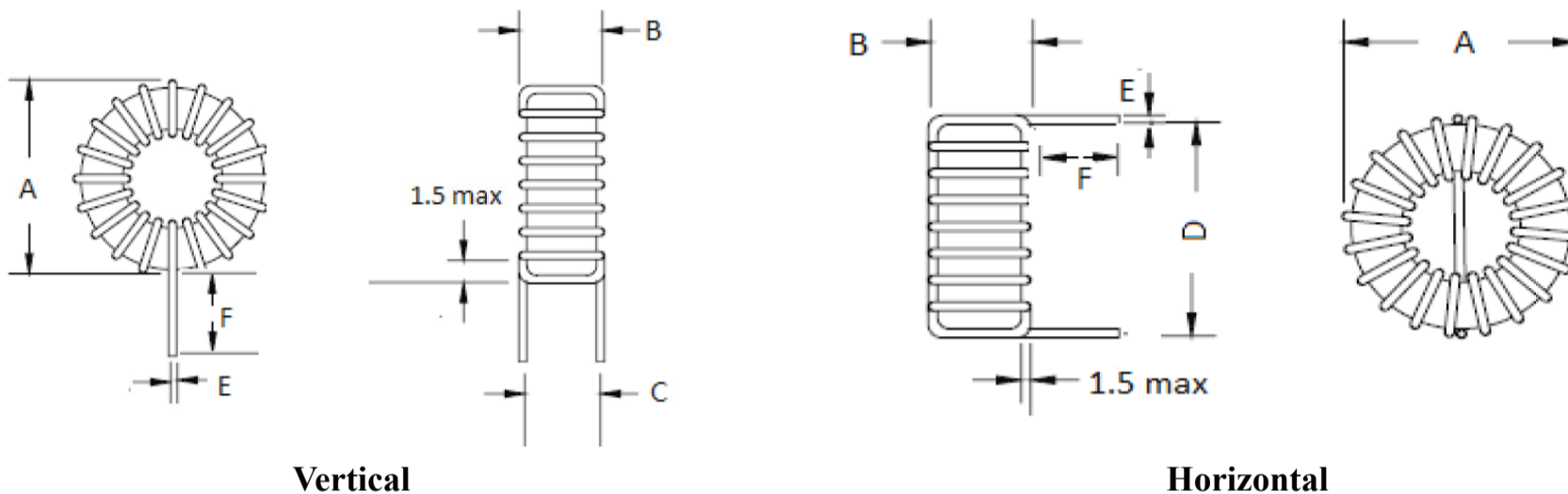
LOW EMI TOROIDAL INDUCTORS

ATCA Series



RoHS/RoHS II Compliant

MECHANICAL DIMENSIONS (ALL DIMENSIONS ARE IN mm)



| Series # | A | B | C | D | F |
|----------|----------|----------|----------|----------|----------|
| 1 | 18.0 Max | 11.5 Max | 11.0 Max | 17.5 Max | 15.0 Max |
| 2 | 22.0 Max | 12.5 Max | 12.0 Max | 21.5 Max | 15.0 Max |
| 3 | 24.0 Max | 11.5 Max | 10.5 Max | 23.0 Max | 15.0 Max |
| 4 | 27.0 Max | 13.5 Max | 12.5 Max | 26.0 Max | 15.0 Max |
| 5 | 30.0 Max | 17.0 Max | 16.0 Max | 29.0 Max | 15.0 Max |
| 6 | 32.0 Max | 16.0 Max | 15.0 Max | 30.0 Max | 15.0 Max |
| 7 | 36.0 Max | 19.5 Max | 18.0 Max | 34.5 Max | 15.0 Max |
| 8 | 42.5 Max | 21.5 Max | 20.0 Max | 41.0 Max | 15.0 Max |

PACKAGING INFORMATION

| Series # | Packing #Pcs/Tray | #Pcs/Case |
|----------|-------------------|-----------|
| 1 | 150pcs/tray | 900/case |
| 2 | 100pcs/tray | 600/case |
| 3 | 100pcs/tray | 600/case |
| 4 | 36pcs/tray | 216/case |
| 5 | 36pcs/tray | 216/case |
| 6 | 32pcs/tray | 192/case |
| 7 | 18pcs/tray | 108/case |
| 8 (V) | 30pcs/tray | 120/case |
| 8 (H) | 18pcs/tray | 144/case |

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