

POWER

SMPS TRANSFORMERS



**Configurable Magnetics—
EFD Series**



EFD 14

| Part # | Inductance (μ H) | DC Resistance (Ω max) | Leakage Ind. (μ H) | Max Current (wire)* (Amperes / winding) | Max DC Current (core) (approx. shift of 20%) |
|---------|--------------------------|----------------------------------|----------------------------|--|---|
| 1C-1000 | 12.35 \pm 5% | 0.121 | 0.27 | 0.64 | 4.95 |
| 1C-1001 | 19.60 \pm 5% | 0.121 | 0.27 | 0.64 | 3.08 |
| 1C-1002 | 31.36 \pm 10% | 0.121 | 0.27 | 0.64 | 1.82 |
| 1C-1003 | 152.88 \pm 25% | 0.121 | 0.27 | 0.64 | 0.17 |

EFD 20

| Part # | Inductance (μ H) | DC Resistance (Ω max) | Leakage Ind. (μ H) | Max Current (wire)* (Amperes / winding) | Max DC Current (core) (approx. shift of 20%) |
|---------|--------------------------|----------------------------------|----------------------------|--|---|
| 1D-1000 | 12.35 \pm 5% | 0.090 | 0.33 | 1.27 | 10.06 |
| 1D-1001 | 19.60 \pm 5% | 0.090 | 0.33 | 1.27 | 6.45 |
| 1D-1002 | 31.36 \pm 5% | 0.090 | 0.33 | 1.27 | 3.96 |
| 1D-1003 | 49.00 \pm 5% | 0.090 | 0.33 | 1.27 | 2.39 |
| 1D-1004 | 61.74 \pm 10% | 0.090 | 0.33 | 1.27 | 1.80 |
| 1D-1005 | 235.20 \pm 25% | 0.090 | 0.33 | 1.27 | 0.22 |

EFD 25

| Part # | Inductance (μ H) | DC Resistance (Ω max) | Leakage Ind. (μ H) | Max Current (wire)* (Amperes / winding) | Max DC Current (core) (approx. shift of 20%) |
|---------|--------------------------|----------------------------------|----------------------------|--|---|
| 1E-1000 | 12.35 \pm 5% | 0.070 | 0.23 | 2.02 | 17.98 |
| 1E-1001 | 19.60 \pm 5% | 0.070 | 0.23 | 2.02 | 11.89 |
| 1E-1002 | 31.36 \pm 5% | 0.070 | 0.23 | 2.02 | 7.55 |
| 1E-1003 | 49.00 \pm 5% | 0.070 | 0.23 | 2.02 | 4.74 |
| 1E-1004 | 61.74 \pm 5% | 0.070 | 0.23 | 2.02 | 3.66 |
| 1E-1005 | 392.00 \pm 25% | 0.070 | 0.23 | 2.02 | 0.24 |

EFD 30

| Part # | Inductance (μ H) | DC Resistance (Ω max) | Leakage Ind. (μ H) | Max Current (wire)* (Amperes / winding) | Max DC Current (core) (approx. shift of 20%) |
|---------|--------------------------|----------------------------------|----------------------------|--|---|
| 1F-1000 | 31.36 \pm 5% | 0.078 | 0.38 | 2.02 | 8.98 |
| 1F-1001 | 49.00 \pm 5% | 0.078 | 0.38 | 2.02 | 5.63 |
| 1F-1002 | 61.74 \pm 5% | 0.078 | 0.38 | 2.02 | 4.36 |
| 1F-1003 | 78.40 \pm 5% | 0.078 | 0.38 | 2.02 | 3.29 |
| 1F-1004 | 123.48 \pm 10% | 0.078 | 0.38 | 2.02 | 1.84 |
| 1F-1005 | 372.40 \pm 25% | 0.078 | 0.38 | 2.02 | 0.31 |

* using a current density of 200 circular mils per Amp (cm/A)