



Sample Kit



# SMT Power Inductors

Series B82464A4/G4, Size 10 x 10

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|                       |               |            |            |            |            |            |            |             |             |
|-----------------------|---------------|------------|------------|------------|------------|------------|------------|-------------|-------------|
| $L_R$                 | $\mu\text{H}$ | <b>1.0</b> | <b>1.0</b> | <b>1.5</b> | <b>1.5</b> | <b>2.2</b> | <b>2.2</b> | <b>3.3</b>  | <b>3.3</b>  |
| $f_L$                 | MHz           | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1         | 0.1         |
| $I_R$                 | A             | 7.00       | 7.50       | 6.50       | 7.00       | 5.70       | 6.50       | 4.90        | 5.50        |
| $I_{\text{sat}}$      | A             | 11.00      | 10.00      | 9.80       | 8.50       | 8.40       | 7.00       | 6.60        | 5.90        |
| $R_{\text{max}}$      | $\Omega$      | 0.009      | 0.007      | 0.010      | 0.009      | 0.012      | 0.010      | 0.015       | 0.012       |
| $f_{\text{res, min}}$ | MHz           | 120.0      | 135.0      | 80.0       | 110.0      | 60.0       | 72.0       | 50.0        | 50.0        |
| Ordering code B82464  |               | A4102M     | G4102M     | A4152M     | G4152M     | A4222M     | G4222M     | A4332M      | G4332M      |
| $L_R$                 | $\mu\text{H}$ | <b>4.7</b> | <b>4.7</b> | <b>6.8</b> | <b>6.8</b> | <b>10</b>  | <b>10</b>  | <b>15</b>   | <b>15</b>   |
| $f_L$                 | MHz           | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1         | 0.1         |
| $I_R$                 | A             | 4.30       | 4.90       | 3.50       | 4.30       | 2.90       | 3.40       | 2.50        | 2.75        |
| $I_{\text{sat}}$      | A             | 5.60       | 5.20       | 4.70       | 4.60       | 3.90       | 3.50       | 3.20        | 3.10        |
| $R_{\text{max}}$      | $\Omega$      | 0.018      | 0.015      | 0.027      | 0.020      | 0.038      | 0.030      | 0.046       | 0.040       |
| $f_{\text{res, min}}$ | MHz           | 42.0       | 37.0       | 30.0       | 28.0       | 24.0       | 22.0       | 18.0        | 15.0        |
| Ordering code B82464  |               | A4472M     | G4472M     | A4682M     | G4682M     | A4103M     | G4103M     | A4153K      | G4153M      |
| $L_R$                 | $\mu\text{H}$ | <b>22</b>  | <b>22</b>  | <b>33</b>  | <b>33</b>  | <b>47</b>  | <b>47</b>  | <b>68</b>   | <b>68</b>   |
| $f_L$                 | MHz           | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1         | 0.1         |
| $I_R$                 | A             | 2.10       | 2.25       | 1.80       | 1.85       | 1.50       | 1.55       | 1.25        | 1.30        |
| $I_{\text{sat}}$      | A             | 2.60       | 2.50       | 2.20       | 2.10       | 1.80       | 1.80       | 1.50        | 1.45        |
| $R_{\text{max}}$      | $\Omega$      | 0.085      | 0.052      | 0.100      | 0.075      | 0.140      | 0.095      | 0.200       | 0.130       |
| $f_{\text{res, min}}$ | MHz           | 15.0       | 13.0       | 13.0       | 10.0       | 11.0       | 9.0        | 9.0         | 8.0         |
| Ordering code B82464  |               | A4223K     | G4223M     | A4333K     | G4333M     | A4473K     | G4473M     | A4683K      | G4683M      |
| $L_R$                 | $\mu\text{H}$ | <b>100</b> | <b>100</b> | <b>220</b> | <b>220</b> | <b>470</b> | <b>470</b> | <b>1000</b> | <b>1000</b> |
| $f_L$                 | MHz           | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1        | 0.1         | 0.1         |
| $I_R$                 | A             | 1.03       | 1.05       | 0.69       | 0.70       | 0.50       | 0.50       | 0.33        | 0.34        |
| $I_{\text{sat}}$      | A             | 1.20       | 1.15       | 0.85       | 0.75       | 0.55       | 0.55       | 0.38        | 0.35        |
| $R_{\text{max}}$      | $\Omega$      | 0.280      | 0.220      | 0.610      | 0.440      | 1.270      | 0.930      | 3.000       | 2.200       |
| $f_{\text{res, min}}$ | MHz           | 8.0        | 6.5        | 5.0        | 4.0        | 3.2        | 2.6        | 2.0         | 1.8         |
| Ordering code B82464  |               | A4104K     | G4104M     | A4224K     | G4224M     | A4474K     | G4474M     | A4105K      | G4105M      |