# Design Kit SMD-Tiny Power Inductors WE-TPC - Large Size

## Order Code: 744062

## Characteristics:

- Sample kit contains components of the SMD Power Chokes Series
  WE-TPC Type 6823, 1028, 1038

## Electrical properties

**WE-TPC 6823**

| Order Code | L (µH) | $I_R$ (A) | $I_{sat}$ (A) | $R_{DC\ typ}$ (Ω) | $R_{DC}$ (Ω) | $f_{res}$ (MHz) | Size | Description |
|---|---|---|---|---|---|---|---|---|
| 744062001 | 1.0 | 4.8 | 4.6 | 0.01 | 0.014 | 110 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440620015 | 1.5 | 4.3 | 4.0 | 0.014 | 0.018 | 100 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062002 | 2.2 | 3.4 | 2.7 | 0.017 | 0.024 | 70 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062003 | 3.3 | 2.8 | 2.5 | 0.02 | 0.032 | 55 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062005 | 5.0 | 2.15 | 2.0 | 0.038 | 0.046 | 50 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062006 | 6.2 | 1.9 | 1.8 | 0.043 | 0.054 | 45 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062007 | 7.5 | 1.7 | 1.6 | 0.048 | 0.06 | 40 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062100 | 10 | 1.6 | 1.4 | 0.053 | 0.07 | 35 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062150 | 15 | 1.31 | 1.1 | 0.085 | 0.095 | 25 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744062180 | 18 | 1.28 | 1.0 | 0.085 | 0.1 | 25 | 6823 | WE-TPC SMD Shielded Tiny Power Inductor |

## Electrical properties

**WE-TPC 1028**

| Order Code | L (µH) | $I_R$ (A) | $I_{sat}$ (A) | $R_{DC\ typ}$ (Ω) | $R_{DC}$ (Ω) | $f_{res}$ (MHz) | Size | Description |
|---|---|---|---|---|---|---|---|---|
| 744065001 | 1.0 | 8.0 | 9.5 | 0.0058 | 0.0065 | 100 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440650015 | 1.5 | 7.2 | 7.5 | 0.0085 | 0.01 | 80 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440650022 | 2.2 | 6.2 | 5.9 | 0.0104 | 0.015 | 65 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440650033 | 3.3 | 5.3 | 4.7 | 0.015 | 0.02 | 55 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440650047 | 4.7 | 4.6 | 4.2 | 0.02 | 0.023 | 40 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440650068 | 6.8 | 4.2 | 3.6 | 0.027 | 0.033 | 30 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440650082 | 8.2 | 3.8 | 2.8 | 0.031 | 0.037 | 28 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744065100 | 10 | 3 | 2.5 | 0.045 | 0.053 | 25 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 744065150 | 15 | 2.2 | 2.25 | 0.075 | 0.09 | 22 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744065220 | 22 | 1.8 | 1.9 | 0.11 | 0.135 | 16 | 1028 | WE-TPC SMD Shielded Tiny Power Inductor |

## Electrical properties

**WE-TPC 1038**

| Order Code | L (µH) | $I_R$ (A) | $I_{sat}$ (A) | $R_{DC\ typ}$ (Ω) | $R_{DC}$ (Ω) | $f_{res}$ (MHz) | Size | Description |
|---|---|---|---|---|---|---|---|---|
| 7440660015 | 1.5 | 7.2 | 10.0 | 0.0062 | 0.0075 | 65 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440660022 | 2.2 | 6.7 | 6.8 | 0.0080 | 0.0105 | 55 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440660035 | 3.5 | 5.8 | 6.4 | 0.0115 | 0.015 | 35 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066005 | 5.0 | 4.9 | 5.5 | 0.0165 | 0.022 | 30 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 7440660062 | 6.2 | 4.3 | 4.5 | 0.020 | 0.024 | 25 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066100 | 10 | 3.6 | 4.0 | 0.028 | 0.035 | 20 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066150 | 15 | 3.2 | 3.25 | 0.040 | 0.05 | 16 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066220 | 22 | 2.5 | 2.3 | 0.060 | 0.075 | 12 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066330 | 33 | 2.1 | 1.8 | 0.092 | 0.112 | 10 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066470 | 47 | 1.75 | 1.85 | 0.132 | 0.16 | 8 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066680 | 68 | 1.5 | 1.5 | 0.185 | 0.216 | 7 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066101 | 100 | 1.2 | 1.2 | 0.255 | 0.3 | 6 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066151 | 150 | 1.0 | 1.1 | 0.395 | 0.47 | 6 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066221 | 220 | 0.75 | 0.85 | 0.570 | 0.74 | 6 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |
| 744066331 | 330 | 0.6 | 0.7 | 0.785 | 1.0 | 6 | 1038 | WE-TPC SMD Shielded Tiny Power Inductor |