

Design Kit SMD-Tiny Power Inductors WE-TPC - Medium Size
















Subject to changes, Version 1.0

Order Code: 744043

Characteristics:











- Sample kit contains components of the SMD Power Chokes Series WE-TPC Type 4828, 5818, 5828

Electrical properties

| WE-TPC 4828 | Order Code | L (μH) | I _R (A) | I _{sat} (A) | R _{DC typ} (Ω) | R _{DC} (Ω) | f _{res} (MHz) | Size | Description |
|---|------------|------------------------|-----------------------|-------------------------|-------------------------------------|---------------------------------|---------------------------|------|---|
|  | 7440430012 | 1.2 | 3.1 | 2.8 | 0.017 | 0.02 | 150 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 7440430018 | 1.8 | 2.7 | 2.45 | 0.02 | 0.025 | 120 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 7440430022 | 2.2 | 2.5 | 2.35 | 0.023 | 0.028 | 100 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 7440430027 | 2.7 | 2.35 | 1.95 | 0.027 | 0.03 | 80 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043003 | 3.3 | 2.15 | 1.8 | 0.03 | 0.035 | 80 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 7440430039 | 3.9 | 1.72 | 1.65 | 0.047 | 0.06 | 55 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043004 | 4.7 | 1.55 | 1.7 | 0.052 | 0.07 | 60 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043005 | 5.6 | 1.38 | 1.3 | 0.08 | 0.085 | 60 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043006 | 6.8 | 1.3 | 1.25 | 0.08 | 0.09 | 57 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043008 | 8.2 | 1.25 | 1.05 | 0.085 | 0.1 | 35 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043100 | 10 | 1.19 | 1.0 | 0.095 | 0.11 | 40 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043120 | 12 | 1.12 | 0.95 | 0.108 | 0.125 | 30 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043150 | 15 | 1.03 | 0.75 | 0.124 | 0.15 | 25 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043180 | 18 | 0.98 | 0.7 | 0.138 | 0.16 | 25 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  | 744043220 | 22 | 0.925 | 0.7 | 0.155 | 0.185 | 20 | 4828 | WE-TPC SMD Shielded Tiny Power Inductor |











Electrical properties

WE-TPC 5818

| Order Code | L (μH) | I _R (A) | I _{sat} (A) | R _{DC typ} (Ω) | R _{DC} (Ω) | f _{res} (MHz) | Size | Description |
|--|------------------------|-----------------------|-------------------------|-------------------------------------|---------------------------------|---------------------------|------|---|
|  7440520012 | 1.2 | 3.0 | 3.5 | 0.02 | 0.03 | 120 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  7440520018 | 1.8 | 2.6 | 3.0 | 0.024 | 0.035 | 100 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744052002 | 2.5 | 2.4 | 2.7 | 0.03 | 0.04 | 85 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744052003 | 3.0 | 2.2 | 2.4 | 0.035 | 0.045 | 70 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  7440520039 | 3.9 | 2.0 | 2.1 | 0.047 | 0.055 | 60 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744052005 | 5.0 | 1.65 | 1.8 | 0.047 | 0.06 | 55 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744052006 | 6.2 | 1.45 | 1.6 | 0.06 | 0.08 | 45 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744052007 | 7.5 | 1.35 | 1.5 | 0.07 | 0.09 | 45 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744052009 | 9.0 | 1.25 | 1.35 | 0.095 | 0.11 | 40 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744052100 | 10 | 1.1 | 1.25 | 0.106 | 0.13 | 40 | 5818 | WE-TPC SMD Shielded Tiny Power Inductor |

Electrical properties

WE-TPC 5828

| Order Code | L (μH) | I _R (A) | I _{sat} (A) | R _{DC typ} (Ω) | R _{DC} (Ω) | f _{res} (MHz) | Size | Description |
|--|------------------------|-----------------------|-------------------------|-------------------------------------|---------------------------------|---------------------------|------|---|
|  744053002 | 2.6 | 3.0 | 2.7 | 0.022 | 0.03 | 55 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053003 | 3.0 | 2.8 | 2.5 | 0.024 | 0.03 | 70 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053004 | 4.2 | 2.5 | 2.2 | 0.03 | 0.035 | 45 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  7440530047 | 4.7 | 2.4 | 1.95 | 0.03 | 0.038 | 40 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053005 | 5.3 | 2.3 | 1.9 | 0.03 | 0.04 | 45 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053006 | 6.2 | 2.2 | 1.7 | 0.035 | 0.045 | 38 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053008 | 8.2 | 2.1 | 1.6 | 0.04 | 0.055 | 28 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053100 | 10 | 1.5 | 1.4 | 0.05 | 0.07 | 35 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053120 | 12 | 1.46 | 1.25 | 0.06 | 0.08 | 22 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |
|  744053150 | 15 | 1.38 | 1.15 | 0.07 | 0.1 | 20 | 5828 | WE-TPC SMD Shielded Tiny Power Inductor |