

DESIGN KIT

WE-PD SMD Shielded Power Inductor

**SIZE:**

6033 / 7332

TECHNICAL DATA:

L: 1.0 - 330 μ H
R_{DC}: 10 - 2280 m Ω
I_R: 0.32 - 5.37 A
I_{sat}: 0.35 - 6.4 A

Order Code 744 778**Version 1.0**

WE-PD SMD Shielded Power Inductor



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| 6033 | 744 778 500 1 | 744 778 500 2 | 744 778 500 3 | 744 778 500 4 | 744 778 500 6 | 6033 | 744 778 510 | 744 778 511 5 |
| | L: 1 μ H | L: 2.2 μ H | L: 3.3 μ H | L: 4.7 μ H | L: 6.8 μ H | | L: 10 μ H | L: 15 μ H |
| | R _{DC} : 31 m Ω | R _{DC} : 43 m Ω | R _{DC} : 43 m Ω | R _{DC} : 60 m Ω | R _{DC} : 79 m Ω | | R _{DC} : 100 m Ω | R _{DC} : 165 m Ω |
| | I _R : 3.5 A | I _R : 2.9 A | I _R : 2.8 A | I _R : 2.69 A | I _R : 2.3 A | | I _R : 1.9 A | I _R : 1.6 A |
| | I _{sat} : 4.5 A | I _{sat} : 3.3 A | I _{sat} : 3 A | I _{sat} : 2.5 A | I _{sat} : 2 A | | I _{sat} : 1.6 A | I _{sat} : 1.4 A |
| | 744 778 512 2 | 744 778 512 7 | 744 778 513 3 | 744 778 514 7 | 744 778 520 | | 744 778 900 1 | 744 778 900 2 |
| | L: 22 μ H | L: 27 μ H | L: 33 μ H | L: 47 μ H | L: 100 μ H | | L: 1 μ H | L: 2.2 μ H |
| | R _{DC} : 210 m Ω | R _{DC} : 300 m Ω | R _{DC} : 340 m Ω | R _{DC} : 500 m Ω | R _{DC} : 950 m Ω | | R _{DC} : 10 m Ω | R _{DC} : 19 m Ω |
| | I _R : 1.35 A | I _R : 0.9 A | I _R : 0.85 A | I _R : 0.85 A | I _R : 0.65 A | | I _R : 5.37 A | I _R : 4.02 A |
| | I _{sat} : 1.1 A | I _{sat} : 1 A | I _{sat} : 0.9 A | I _{sat} : 0.74 A | I _{sat} : 0.5 A | | I _{sat} : 6.4 A | I _{sat} : 4.8 A |
| 7332 | 744 778 900 3 | 744 778 900 4 | 744 778 900 6 | 744 778 910 | 744 778 911 2 | 7332 | 744 778 911 5 | 744 778 911 8 |
| | L: 3.3 μ H | L: 4.7 μ H | L: 6.8 μ H | L: 10 μ H | L: 12 μ H | | L: 15 μ H | L: 18 μ H |
| | R _{DC} : 24 m Ω | R _{DC} : 33 m Ω | R _{DC} : 41.5 m Ω | R _{DC} : 64 m Ω | R _{DC} : 76 m Ω | | R _{DC} : 100 m Ω | R _{DC} : 114 m Ω |
| | I _R : 3.42 A | I _R : 2.9 A | I _R : 2.5 A | I _R : 1.83 A | I _R : 1.73 A | | I _R : 1.51 A | I _R : 1.41 A |
| | I _{sat} : 4.2 A | I _{sat} : 3.9 A | I _{sat} : 2.75 A | I _{sat} : 2.2 A | I _{sat} : 1.9 A | | I _{sat} : 1.75 A | I _{sat} : 1.7 A |
| | 744 778 912 2 | 744 778 912 7 | 744 778 913 3 | 744 778 913 9 | 744 778 914 7 | | 744 778 915 6 | 744 778 916 8 |
| | L: 22 μ H | L: 27 μ H | L: 33 μ H | L: 39 μ H | L: 47 μ H | | L: 56 μ H | L: 68 μ H |
| | R _{DC} : 119 m Ω | R _{DC} : 130 m Ω | R _{DC} : 153 m Ω | R _{DC} : 209 m Ω | R _{DC} : 315 m Ω | | R _{DC} : 335 m Ω | R _{DC} : 427 m Ω |
| | I _R : 1.38 A | I _R : 1.27 A | I _R : 1.22 A | I _R : 1.03 A | I _R : 0.85 A | | I _R : 0.84 A | I _R : 0.74 A |
| | I _{sat} : 1.4 A | I _{sat} : 1.35 A | I _{sat} : 1.15 A | I _{sat} : 1.1 A | I _{sat} : 1 A | | I _{sat} : 0.9 A | I _{sat} : 0.84 A |
| 744 778 918 2 | 744 778 920 | 744 778 921 2 | 744 778 921 5 | 744 778 921 8 | 744 778 922 2 | 744 778 923 3 | | |
| L: 82 μ H | L: 100 μ H | L: 120 μ H | L: 150 μ H | L: 180 μ H | L: 220 μ H | L: 330 μ H | | |
| R _{DC} : 470 m Ω | R _{DC} : 585 m Ω | R _{DC} : 563 m Ω | R _{DC} : 720 m Ω | R _{DC} : 960 m Ω | R _{DC} : 1350 m Ω | R _{DC} : 2280 m Ω | | |
| I _R : 0.69 A | I _R : 0.62 A | I _R : 0.6 A | I _R : 0.56 A | I _R : 0.49 A | I _R : 0.43 A | I _R : 0.32 A | | |
| I _{sat} : 0.78 A | I _{sat} : 0.76 A | I _{sat} : 0.68 A | I _{sat} : 0.53 A | I _{sat} : 0.5 A | I _{sat} : 0.42 A | I _{sat} : 0.35 A | | |

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