

DESIGN KIT

WE-PD2 SMD Power Inductor

**SIZE:**

7850 / 1045

TECHNICAL DATA:

L: 10 ~ 820 μ H
R_{DC}: 28 ~ 1420 m Ω
I_R: 0.32 ~ 2.98 A
I_{sat}: 0.38 ~ 3.24 A

Order Code 744 775**Version 1.0**

WE-PD2 SMD Power Inductor



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| 7850 | 744 775 10 | 744 775 112 | 744 775 115 | 744 775 118 | 7850 | 744 775 122 | 744 775 127 | 744 775 133 | |
| | L: 10 μ H | L: 12 μ H | L: 15 μ H | L: 18 μ H | | L: 22 μ H | L: 27 μ H | L: 33 μ H | |
| | R _{DC} : 44 m Ω | R _{DC} : 42 m Ω | R _{DC} : 44 m Ω | R _{DC} : 53 m Ω | | R _{DC} : 65 m Ω | R _{DC} : 74 m Ω | R _{DC} : 130 m Ω | |
| | I _R : 2.3 A | I _R : 2.18 A | I _R : 1.93 A | I _R : 1.89 A | | I _R : 1.76 A | I _R : 1.48 A | I _R : 1.35 A | |
| | I _{sat} : 2.95 A | I _{sat} : 2.2 A | I _{sat} : 2.23 A | I _{sat} : 2.14 A | | I _{sat} : 1.81 A | I _{sat} : 1.62 A | I _{sat} : 1.47 A | |
| | 744 775 147 | 744 775 156 | 744 775 168 | 744 775 182 | | 744 775 20 | 744 775 215 | 744 775 218 | |
| | L: 47 μ H | L: 56 μ H | L: 68 μ H | L: 82 μ H | | L: 100 μ H | L: 150 μ H | L: 180 μ H | |
| | R _{DC} : 134 m Ω | R _{DC} : 189 m Ω | R _{DC} : 218 m Ω | R _{DC} : 248 m Ω | | R _{DC} : 208 m Ω | R _{DC} : 467 m Ω | R _{DC} : 574 m Ω | |
| | I _R : 1.17 A | I _R : 1.04 A | I _R : 0.99 A | I _R : 0.9 A | | I _R : 0.77 A | I _R : 0.6 A | I _R : 0.55 A | |
| | I _{sat} : 1.24 A | I _{sat} : 1.14 A | I _{sat} : 1.05 A | I _{sat} : 0.95 A | | I _{sat} : 0.86 A | I _{sat} : 0.71 A | I _{sat} : 0.57 A | |
| | 744 775 222 | 744 775 227 | 744 775 233 | 744 775 247 | | 1045 | 744 776 10 | 744 776 118 | 744 776 122 |
| | L: 220 μ H | L: 270 μ H | L: 330 μ H | L: 470 μ H | | | L: 10 μ H | L: 18 μ H | L: 22 μ H |
| R _{DC} : 614 m Ω | R _{DC} : 699 m Ω | R _{DC} : 810 m Ω | R _{DC} : 1370 m Ω | R _{DC} : 28 m Ω | R _{DC} : 43 m Ω | | R _{DC} : 51 m Ω | | |
| I _R : 0.51 A | I _R : 0.47 A | I _R : 0.43 A | I _R : 0.36 A | I _R : 2.98 A | I _R : 2.36 A | | I _R : 2.04 A | | |
| I _{sat} : 0.56 A | I _{sat} : 0.51 A | I _{sat} : 0.48 A | I _{sat} : 0.38 A | I _{sat} : 3.24 A | I _{sat} : 2.43 A | | I _{sat} : 2.07 A | | |
| 744 776 127 | 744 776 133 | 744 776 147 | 744 776 168 | 744 776 182 | 744 776 20 | | 744 776 212 | | |
| L: 27 μ H | L: 33 μ H | L: 47 μ H | L: 68 μ H | L: 82 μ H | L: 100 μ H | | L: 120 μ H | | |
| R _{DC} : 63 m Ω | R _{DC} : 83 m Ω | R _{DC} : 95 m Ω | R _{DC} : 136 m Ω | R _{DC} : 150 m Ω | R _{DC} : 200 m Ω | | R _{DC} : 243 m Ω | | |
| I _R : 1.95 A | I _R : 1.78 A | I _R : 1.45 A | I _R : 1.19 A | I _R : 1.11 A | I _R : 1.02 A | | I _R : 0.94 A | | |
| I _{sat} : 1.98 A | I _{sat} : 1.89 A | I _{sat} : 1.62 A | I _{sat} : 1.49 A | I _{sat} : 1.17 A | I _{sat} : 1.1 A | | I _{sat} : 0.99 A | | |
| 744 776 215 | 744 776 218 | 744 776 222 | 744 776 233 | 744 776 247 | 744 776 268 | | 744 776 282 | | |
| L: 150 μ H | L: 180 μ H | L: 220 μ H | L: 330 μ H | L: 470 μ H | L: 680 μ H | | L: 820 μ H | | |
| R _{DC} : 300 m Ω | R _{DC} : 320 m Ω | R _{DC} : 451 m Ω | R _{DC} : 750 m Ω | R _{DC} : 969 m Ω | R _{DC} : 1245 m Ω | R _{DC} : 1420 m Ω | | | |
| I _R : 0.81 A | I _R : 0.76 A | I _R : 0.67 A | I _R : 0.52 A | I _R : 0.44 A | I _R : 0.36 A | I _R : 0.32 A | | | |
| I _{sat} : 0.9 A | I _{sat} : 0.78 A | I _{sat} : 0.77 A | I _{sat} : 0.59 A | I _{sat} : 0.5 A | I _{sat} : 0.43 A | I _{sat} : 0.41 A | | | |

EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS

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