

WURTH ELECTRONICS SMD Inductors



RoHS Compliant This product is RoHS compliant.

SMD POWER INDUCTORS WE-PD2

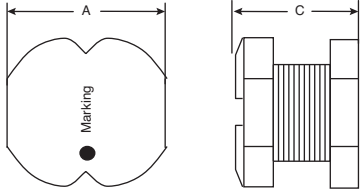
Features:

- Open size
- Current capability up to 14A
- Operating temperature: -40°C to +125°C

Applications:

- Switching regulators with low operating voltage (computer, laptop, mobile phones and pagers)
- Integrated DC/DC-converter
- Perfectly suitable for switching regulators with extremely high efficiency

| DIMENSIONS: mm | | | | |
|----------------|-----|------|-----|-----|
| | A | B | C | D |
| 4532 | 4.0 | 4.5 | 3.2 | 1.0 |
| 5820 | 5.2 | 5.8 | 2.0 | 2.0 |
| 5845 | 5.2 | 5.8 | 4.5 | 2.0 |
| 7850 | 7.0 | 7.8 | 5.0 | 3.0 |
| 1054 | 9.0 | 10.0 | 5.4 | 3.5 |



● = Start of winding
Marking = Inductance code

PRODUCT **NEW**

RoHS Compliant

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Würth Electronics Part No. | L (µH) | I _R (A) | I _{sat} (A) | R _{DC} (Ω) | R _{DC typ} (Ω) | f _{res} (MHz) | Price Each | | |
|------------------|----------------------------|--------|--------------------|----------------------|---------------------|-------------------------|------------------------|------------|------|------|
| | | | | | | | | 1 | 25 | 100 |
| 4532 | | | | | | | | | | |
| 710-7447730 | 7447730 | 1 | 4.0 | 5.72 | 0.049 | 0.014 | 110 | 1.54 | 1.40 | 1.29 |
| 710-744773018 | 744773018 | 1.8 | 2.7 | 3.6 | 0.064 | 0.028 | 85 | 1.54 | 1.40 | 1.29 |
| 710-744773022 | 744773022 | 2.2 | 2.5 | 3.38 | 0.071 | 0.034 | 74 | 1.54 | 1.40 | 1.29 |
| 710-744773033 | 744773033 | 3.3 | 2.0 | 2.88 | 0.086 | 0.041 | 55 | 1.54 | 1.40 | 1.29 |
| 710-744773047 | 744773047 | 4.7 | 1.82 | 2.46 | 0.11 | 0.059 | 45 | 1.54 | 1.40 | 1.29 |
| 710-744773056 | 744773056 | 5.6 | 1.58 | 2.43 | 0.126 | 0.069 | 40 | 1.54 | 1.40 | 1.29 |
| 710-744773068 | 744773068 | 6.8 | 1.54 | 2.1 | 0.131 | 0.076 | 35 | 1.54 | 1.40 | 1.29 |
| 710-744773082 | 744773082 | 8.2 | 1.5 | 1.8 | 0.146 | 0.116 | 30 | 1.54 | 1.40 | 1.29 |
| 710-74477310 | 74477310 | 10 | 1.45 | 1.74 | 0.182 | 0.118 | 30 | 1.54 | 1.40 | 1.29 |
| 710-744773112 | 744773112 | 12 | 1.28 | 1.62 | 0.21 | 0.156 | 30 | 1.54 | 1.40 | 1.29 |
| 710-744773118 | 744773118 | 18 | 1.1 | 1.29 | 0.338 | 0.225 | 22 | 1.54 | 1.40 | 1.29 |
| 710-744773122 | 744773122 | 22 | 1.0 | 1.22 | 0.37 | 0.2261 | 20 | 1.54 | 1.40 | 1.29 |
| 710-744773133 | 744773133 | 33 | 0.86 | 0.9 | 0.54 | 0.37 | 16 | 1.54 | 1.40 | 1.29 |
| 710-744773139 | 744773139 | 39 | 0.77 | 0.87 | 0.587 | 0.418 | 15 | 1.54 | 1.40 | 1.29 |
| 710-744773147 | 744773147 | 47 | 0.68 | 0.77 | 0.844 | 0.523 | 12 | 1.54 | 1.40 | 1.29 |
| 710-744773156 | 744773156 | 56 | 0.64 | 0.75 | 0.937 | 0.714 | 12 | 1.54 | 1.40 | 1.29 |
| 710-744773168 | 744773168 | 68 | 0.56 | 0.68 | 1.117 | 0.754 | 11 | 1.54 | 1.40 | 1.29 |
| 5820 | | | | | | | | | | |
| 710-74477450012 | 74477450012 | 0.12 | 10.0 | 14.0 | 0.004 | 0.003 | 250 | 1.80 | 1.67 | 1.42 |
| 710-74477450027 | 74477450027 | 0.27 | 8.2 | 9.5 | 0.005 | 0.004 | 180 | 1.80 | 1.67 | 1.42 |
| 710-74477450056 | 74477450056 | 0.56 | 6.5 | 6.5 | 0.01 | 0.008 | 145 | 1.80 | 1.67 | 1.42 |
| 710-74477450082 | 74477450082 | 0.82 | 5.4 | 5.8 | 0.014 | 0.012 | 120 | 1.80 | 1.67 | 1.42 |
| 710-7447745012 | 7447745012 | 1.2 | 4.8 | 4.6 | 0.021 | 0.017 | 96 | 1.80 | 1.67 | 1.42 |
| 710-7447745017 | 7447745017 | 1.7 | 4.0 | 3.6 | 0.027 | 0.023 | 92 | 1.80 | 1.67 | 1.42 |
| 710-7447745022 | 7447745022 | 2.2 | 3.6 | 3.5 | 0.036 | 0.03 | 64 | 1.80 | 1.67 | 1.42 |
| 710-7447745033 | 7447745033 | 3.3 | 3.0 | 3.0 | 0.049 | 0.041 | 57 | 1.80 | 1.67 | 1.42 |
| 710-7447745039 | 7447745039 | 3.9 | 2.8 | 2.6 | 0.045 | 0.047 | 48 | 1.80 | 1.67 | 1.42 |
| 710-7447745047 | 7447745047 | 4.7 | 2.5 | 2.4 | 0.065 | 0.057 | 42 | 1.80 | 1.67 | 1.42 |
| 710-7447745056 | 7447745056 | 5.6 | 2.3 | 2.1 | 0.078 | 0.07 | 32 | 1.80 | 1.67 | 1.42 |
| 710-7447745062 | 7447745062 | 6.2 | 2.1 | 2.0 | 0.09 | 0.08 | 30 | 1.80 | 1.67 | 1.42 |
| 710-7447745076 | 7447745076 | 7.6 | 1.9 | 1.8 | 0.105 | 0.095 | 29 | 1.80 | 1.67 | 1.42 |
| 710-7447745100 | 7447745100 | 10 | 1.7 | 1.6 | 0.13 | 0.12 | 28 | 1.80 | 1.67 | 1.42 |
| 5845 | | | | | | | | | | |
| 710-74477410 | 74477410 | 10 | 2.2 | 2.5 | 0.1 | 0.078 | 26 | 1.88 | 1.76 | 1.59 |
| 710-74477420 | 74477420 | 100 | 0.57 | 0.68 | 0.65 | 0.51 | 7 | 1.88 | 1.76 | 1.59 |
| 710-744774022 | 744774022 | 2.2 | 4.6 | 8.2 | 0.041 | 0.026 | 54 | 1.88 | 1.76 | 1.59 |
| 710-744774027 | 744774027 | 2.7 | 4.0 | 8.0 | 0.045 | 0.032 | 50 | 1.88 | 1.76 | 1.59 |
| 710-744774033 | 744774033 | 3.3 | 4.0 | 7.5 | 0.06 | 0.042 | 43 | 1.88 | 1.76 | 1.59 |
| 710-744774047 | 744774047 | 4.7 | 3.0 | 5.5 | 0.071 | 0.056 | 33 | 1.88 | 1.76 | 1.59 |
| 710-744774068 | 744774068 | 6.8 | 2.4 | 5.0 | 0.082 | 0.071 | 28 | 1.88 | 1.76 | 1.59 |
| 710-744774112 | 744774112 | 12 | 2.0 | 1.94 | 0.11 | 0.082 | 24 | 1.88 | 1.76 | 1.59 |
| 710-744774118 | 744774118 | 18 | 1.45 | 1.69 | 0.15 | 0.104 | 19 | 1.88 | 1.76 | 1.59 |
| 710-744774122 | 744774122 | 22 | 1.28 | 1.53 | 0.18 | 0.109 | 16 | 1.88 | 1.76 | 1.59 |
| 710-744774127 | 744774127 | 27 | 1.19 | 1.4 | 0.2 | 0.133 | 15 | 1.88 | 1.76 | 1.59 |
| 710-744774133 | 744774133 | 33 | 1.09 | 1.17 | 0.23 | 0.15 | 14 | 1.88 | 1.76 | 1.59 |
| 710-744774139 | 744774139 | 39 | 0.94 | 1.1 | 0.32 | 0.215 | 12 | 1.88 | 1.76 | 1.59 |
| 710-744774147 | 744774147 | 47 | 0.86 | 1.0 | 0.37 | 0.26 | 10 | 1.88 | 1.76 | 1.59 |
| 710-744774168 | 744774168 | 68 | 0.64 | 0.86 | 0.46 | 0.313 | 10 | 1.88 | 1.76 | 1.59 |
| 7850 | | | | | | | | | | |
| 710-74477510 | 74477510 | 10 | 2.3 | 2.95 | 0.07 | 0.044 | 23 | 1.87 | 1.80 | 1.65 |
| 710-74477520 | 74477520 | 100 | 0.77 | 0.86 | 0.43 | 0.208 | 7 | 1.87 | 1.80 | 1.65 |
| 710-744775112 | 744775112 | 12 | 2.18 | 2.2 | 0.08 | 0.042 | 20 | 1.87 | 1.80 | 1.65 |
| 710-744775118 | 744775118 | 18 | 1.89 | 2.14 | 0.1 | 0.053 | 17 | 1.87 | 1.80 | 1.65 |
| 710-744775122 | 744775122 | 22 | 1.76 | 1.81 | 0.11 | 0.065 | 15 | 1.87 | 1.80 | 1.65 |
| 710-744775133 | 744775133 | 33 | 1.35 | 1.47 | 0.13 | 0.088 | 13 | 1.87 | 1.80 | 1.65 |
| 710-744775139 | 744775139 | 39 | 1.25 | 1.33 | 0.16 | 0.116 | 12 | 1.87 | 1.80 | 1.65 |
| 710-744775147 | 744775147 | 47 | 1.17 | 1.24 | 0.18 | 0.134 | 10 | 1.87 | 1.80 | 1.65 |
| 710-744775168 | 744775168 | 68 | 0.99 | 1.05 | 0.28 | 0.218 | 8 | 1.87 | 1.80 | 1.65 |
| 1054 | | | | | | | | | | |
| 710-74477610 | 74477610 | 10 | 2.98 | 3.24 | 0.06 | 0.028 | 22 | 2.11 | 1.98 | 1.87 |
| 710-744776112 | 744776112 | 12 | 2.72 | 3.15 | 0.07 | 0.033 | 20 | 2.11 | 1.98 | 1.87 |
| 710-744776118 | 744776118 | 18 | 2.36 | 1.43 | 0.09 | 0.043 | 18 | 2.11 | 1.98 | 1.87 |
| 710-744776122 | 744776122 | 22 | 2.04 | 2.07 | 0.1 | 0.051 | 16 | 2.11 | 1.98 | 1.87 |
| 710-744776127 | 744776127 | 27 | 1.95 | 1.98 | 0.11 | 0.063 | 15 | 2.11 | 1.98 | 1.87 |
| 710-744776133 | 744776133 | 33 | 1.78 | 1.89 | 0.102 | 0.083 | 12 | 2.11 | 1.98 | 1.87 |
| 710-744776147 | 744776147 | 47 | 1.45 | 1.62 | 0.17 | 0.095 | 11 | 2.11 | 1.98 | 1.87 |
| 710-744776156 | 744776156 | 56 | 1.36 | 1.53 | 0.19 | 0.112 | 9 | 2.11 | 1.98 | 1.87 |
| 710-744776168 | 744776168 | 68 | 1.19 | 1.49 | 0.22 | 0.138 | 8 | 2.11 | 1.98 | 1.87 |
| 710-744776182 | 744776182 | 82 | 1.11 | 1.17 | 0.25 | 0.15 | 7 | 2.11 | 1.98 | 1.87 |
| 710-74477620 | 74477620 | 100 | 1.02 | 1.1 | 0.35 | 0.2 | 7 | 2.11 | 1.98 | 1.87 |
| 710-744776233 | 744776233 | 330 | 0.52 | 0.59 | 1.15 | 0.75 | 4 | 1.65 | 1.51 | 1.27 |
| 710-744776268 | 744776268 | 680 | 0.36 | 0.43 | 2.25 | 1.245 | 2.5 | 1.65 | 1.51 | 1.27 |