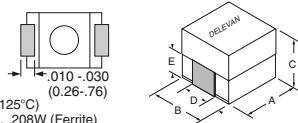


API Delevan Coils and Inductors (Cont.)

Series 1008 Unshielded Surface Mount Inductors



Operating Temperature Range: -67°F - 257°F (-55°C - 125°C)
Maximum Power Dissipation @ 90°C: .169W (Phenolic), .208W (Ferrite)

| Dimensions - Inch (mm) | | | | |
|------------------------|-------------|--------------------|-------------|---------------|
| A (over terminals) | B | C (over terminals) | D | E (Ref. only) |
| .100 (2.54) | .080 (2.03) | .080 (2.03) | .055 (1.40) | .046 (1.17) |

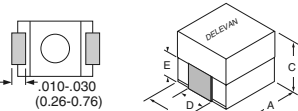
| Induct. (µH) | Test Freq. (MHz) | Q Min. | Current Rating Max. (mA) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--|------------------|--------|--------------------------|-------------------|---------------------|------|------|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| Series 1008 Phenolic Core - K Tolerance, ±10% | | | | | | | | | | |
| .010 | 50 | 40 | 1562 | DN42005CT-ND | 2.56 | 2.44 | 1.59 | DN42005TR-ND | 472.75 | 1008R-100K |
| .015 | 50 | 40 | 1381 | DN08150CT-ND | 2.56 | 2.44 | 1.59 | DN08150TR-ND | 472.75 | 1008-150K |
| .018 | 50 | 40 | 1320 | DN08180CT-ND | 2.56 | 2.44 | 1.59 | DN08180TR-ND | 472.75 | 1008-180K |
| .022 | 50 | 35 | 1235 | DN42013CT-ND | 2.56 | 2.44 | 1.59 | DN42013TR-ND | 472.75 | 1008R-220K |
| .027 | 50 | 35 | 1164 | DN08270CT-ND | 2.56 | 2.44 | 1.59 | DN08270TR-ND | 472.75 | 1008-270K |
| .033 | 50 | 30 | 1105 | DN08330CT-ND | 2.56 | 2.44 | 1.59 | DN08330TR-ND | 472.75 | 1008-330K |
| .033 | 50 | 30 | 1105 | DN42017CT-ND | 2.56 | 2.44 | 1.59 | DN42017TR-ND | 472.75 | 1008R-330K |
| .039 | 50 | 30 | 1053 | DN08390CT-ND | 2.56 | 2.44 | 1.59 | DN08390TR-ND | 472.75 | 1008-390K |
| .047 | 50 | 30 | 1108 | DN08470CT-ND | 2.56 | 2.44 | 1.59 | DN08470TR-ND | 472.75 | 1008-470K |
| .047 | 50 | 30 | 1108 | DN42019CT-ND | 2.56 | 2.44 | 1.59 | DN42019TR-ND | 472.75 | 1008R-470K |
| .056 | 50 | 25 | 847 | DN08560CT-ND | 2.56 | 2.44 | 1.59 | DN08560TR-ND | 472.75 | 1008-560K |
| .068 | 50 | 25 | 823 | DN08680CT-ND | 2.56 | 2.44 | 1.59 | DN08680TR-ND | 472.75 | 1008-680K |
| .068 | 50 | 25 | 823 | DN42024CT-ND | 2.56 | 2.44 | 1.59 | DN42024TR-ND | 472.75 | 1008R-680K |
| .082 | 50 | 25 | 801 | DN42026CT-ND | 2.56 | 2.44 | 1.59 | DN42026TR-ND | 472.75 | 1008R-820K |
| .100 | 25 | 15 | 728 | DN42066CT-ND | 2.56 | 2.44 | 1.59 | DN42066TR-ND | 472.75 | 1008R-101K |

| Series 1008 Ferrite Core - K Tolerance, ±10% | | | | | | | | | | |
|---|----|----|------|--------------|------|------|------|--------------|--------|------------|
| .12 | 25 | 40 | 1225 | DN08121CT-ND | 2.56 | 2.44 | 1.59 | DN08121TR-ND | 472.75 | 1008-121K |
| .15 | 25 | 40 | 1168 | DN08151CT-ND | 2.56 | 2.44 | 1.59 | DN08151TR-ND | 472.75 | 1008-151K |
| .15 | 25 | 40 | 1168 | DN42010CT-ND | 2.56 | 2.44 | 1.59 | DN42010TR-ND | 472.75 | 1008R-151K |
| .18 | 25 | 40 | 1119 | DN08181CT-ND | 2.56 | 2.44 | 1.59 | DN08181TR-ND | 472.75 | 1008-181K |
| .22 | 25 | 40 | 1055 | DN08221CT-ND | 2.56 | 2.44 | 1.59 | DN08221TR-ND | 472.75 | 1008-221K |
| .22 | 25 | 40 | 1055 | DN42014CT-ND | 2.56 | 2.44 | 1.59 | DN42014TR-ND | 472.75 | 1008R-221K |
| .47 | 25 | 40 | 846 | DN08471CT-ND | 2.56 | 2.44 | 1.59 | DN08471TR-ND | 472.75 | 1008-471K |
| .47 | 25 | 40 | 846 | DN42020CT-ND | 2.56 | 2.44 | 1.59 | DN42020TR-ND | 472.75 | 1008R-471K |
| .56 | 25 | 40 | 808 | DN08561CT-ND | 2.56 | 2.44 | 1.59 | DN08561TR-ND | 472.75 | 1008-561K |
| .68 | 25 | 40 | 760 | DN42025CT-ND | 2.56 | 2.44 | 1.59 | DN42025TR-ND | 472.75 | 1008R-681K |
| .82 | 25 | 40 | 708 | DN08821CT-ND | 2.56 | 2.44 | 1.59 | DN08821TR-ND | 472.75 | 1008-821K |

| Series 1008 Ferrite Core - J Tolerance, ±5% | | | | | | | | | | |
|--|-----|----|-----|---------------|------|------|------|---------------|--------|------------|
| 1.0 | 7.9 | 30 | 685 | DN42007JCT-ND | 2.56 | 2.44 | 1.59 | DN42007JTR-ND | 472.75 | 1008R-102J |
| 1.2 | 7.9 | 30 | 591 | DN08122JCT-ND | 2.56 | 2.44 | 1.59 | DN08122JTR-ND | 472.75 | 1008-122J |
| 1.2 | 7.9 | 30 | 591 | DN42009JCT-ND | 2.56 | 2.44 | 1.59 | DN42009JTR-ND | 472.75 | 1008R-122J |
| 1.5 | 7.9 | 30 | 548 | DN08152JCT-ND | 2.56 | 2.44 | 1.59 | DN08152JTR-ND | 472.75 | 1008-152J |
| 1.5 | 7.9 | 30 | 548 | DN42011JCT-ND | 2.56 | 2.44 | 1.59 | DN42011JTR-ND | 472.75 | 1008R-152J |
| 2.2 | 7.9 | 30 | 433 | DN42015JCT-ND | 2.56 | 2.44 | 1.59 | DN42015JTR-ND | 472.75 | 1008R-222J |
| 3.3 | 7.9 | 30 | 398 | DN08332JCT-ND | 2.56 | 2.44 | 1.59 | DN08332JTR-ND | 472.75 | 1008-332J |
| 3.3 | 7.9 | 30 | 398 | DN42018JCT-ND | 2.56 | 2.44 | 1.59 | DN42018JTR-ND | 472.75 | 1008R-332J |
| 4.7 | 7.9 | 30 | 334 | DN42021JCT-ND | 2.56 | 2.44 | 1.59 | DN42021JTR-ND | 472.75 | 1008R-472J |
| 5.6 | 7.9 | 30 | 312 | DN08562JCT-ND | 2.56 | 2.44 | 1.59 | DN08562JTR-ND | 472.75 | 1008-562J |
| 5.6 | 7.9 | 30 | 312 | DN42023JCT-ND | 2.56 | 2.44 | 1.59 | DN42023JTR-ND | 472.75 | 1008R-562J |
| 10 | 7.9 | 30 | 245 | DN42008JCT-ND | 2.56 | 2.44 | 1.59 | DN42008JTR-ND | 472.75 | 1008R-103J |
| 15 | 2.5 | 30 | 194 | DN08153JCT-ND | 2.56 | 2.44 | 1.59 | DN08153JTR-ND | 472.75 | 1008-153J |
| 15 | 2.5 | 30 | 194 | DN42012JCT-ND | 2.56 | 2.44 | 1.59 | DN42012JTR-ND | 472.75 | 1008R-153J |
| 18 | 2.5 | 30 | 173 | DN08183JCT-ND | 2.56 | 2.44 | 1.59 | DN08183JTR-ND | 472.75 | 1008-183J |
| 22 | 2.5 | 30 | 158 | DN08223JCT-ND | 2.56 | 2.44 | 1.59 | DN08223JTR-ND | 472.75 | 1008-223J |
| 22 | 2.5 | 30 | 158 | DN42016JCT-ND | 2.56 | 2.44 | 1.59 | DN42016JTR-ND | 472.75 | 1008R-223J |
| 33 | 2.5 | 30 | 135 | DN08333JCT-ND | 2.56 | 2.44 | 1.59 | DN08333JTR-ND | 472.75 | 1008-333J |
| 47 | 2.5 | 30 | 120 | DN08473JCT-ND | 2.56 | 2.44 | 1.59 | DN08473JTR-ND | 472.75 | 1008-473J |
| 47 | 2.5 | 30 | 120 | DN42022JCT-ND | 2.56 | 2.44 | 1.59 | DN42022JTR-ND | 472.75 | 1008R-473J |

1008RKIT-ND (1008RKIT) Series 1008 Inductor Kit
5 each of 54 values (0.0018µH - 47.0µH), 270 total pieces \$338.10
♦ RoHS Compliant

Series S1008 Shielded Surface Mount Inductors



Operating Temperature Range: -55°C - 125°C
Maximum Power Dissipation @ 90°C: .157W

| Dimensions - Inch (mm) | | | | |
|------------------------|-------------|--------------------|-------------|-------------|
| A (over terminals) | B | C (over terminals) | D | E |
| .100 (2.54) | .080 (2.03) | .080 (2.03) | .055 (1.40) | .046 (1.17) |

| Induct. (µH) | Test Freq. (MHz) | Q Min. | Current Rating Max. (mA) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--|------------------|--------|--------------------------|-------------------|---------------------|------|------|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| Series S1008 Ferrite Core, ±10% | | | | | | | | | | |
| .10 | 25 | 40 | 1120 | DN7879CT-ND | 2.94 | 2.80 | 1.82 | DN7879TR-ND | 542.50 | S1008R-101K |
| .15 | 25 | 40 | 1015 | DN1003CT-ND | 2.94 | 2.80 | 1.82 | DN1003TR-ND | 542.50 | S1008-151K |
| .27 | 25 | 40 | 900 | DN1006CT-ND | 2.94 | 2.80 | 1.82 | DN1006TR-ND | 542.50 | S1008-271K |
| .33 | 25 | 40 | 865 | DN7891CT-ND | 2.94 | 2.80 | 1.82 | DN7891TR-ND | 542.50 | S1008R-331K |
| .39 | 25 | 40 | 840 | DN1008CT-ND | 2.94 | 2.80 | 1.82 | DN1008TR-ND | 542.50 | S1008-391K |
| .47 | 25 | 40 | 815 | DN7894CT-ND | 2.94 | 2.80 | 1.82 | DN7894TR-ND | 542.50 | S1008R-471K |
| .56 | 25 | 40 | 790 | DN1010CT-ND | 2.94 | 2.80 | 1.82 | DN1010TR-ND | 542.50 | S1008-561K |
| .56 | 25 | 40 | 790 | DN7897CT-ND | 2.94 | 2.80 | 1.82 | DN7897TR-ND | 542.50 | S1008R-561K |
| .68 | 25 | 40 | 750 | DN1012CT-ND | 2.94 | 2.80 | 1.82 | DN1012TR-ND | 542.50 | S1008-681K |
| .68 | 25 | 40 | 750 | DN7898CT-ND | 2.94 | 2.80 | 1.82 | DN7898TR-ND | 542.50 | S1008R-681K |
| .82 | 25 | 40 | 715 | DN1014CT-ND | 2.94 | 2.80 | 1.82 | DN1014TR-ND | 542.50 | S1008-821K |
| .82 | 25 | 40 | 715 | DN7900CT-ND | 2.94 | 2.80 | 1.82 | DN7900TR-ND | 542.50 | S1008R-821K |

| Induct. (µH) | Test Freq. (MHz) | Q Min. | Current Rating Max. (mA) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--------------|------------------|--------|--------------------------|-------------------|---------------------|------|------|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| .91 | 25 | 40 | 685 | DN7902CT-ND | 2.94 | 2.80 | 1.82 | DN7902TR-ND | 542.50 | S1008R-911K |
| 1.0 | 7.9 | 30 | 670 | DN7880CT-ND | 2.94 | 2.80 | 1.82 | DN7880TR-ND | 542.50 | S1008R-102K |
| 1.2 | 7.9 | 30 | 625 | DN1017CT-ND | 2.94 | 2.80 | 1.82 | DN1017TR-ND | 542.50 | S1008-122K |
| 1.2 | 7.9 | 30 | 625 | DN7882CT-ND | 2.94 | 2.80 | 1.82 | DN7882TR-ND | 542.50 | S1008R-122K |
| 1.5 | 7.9 | 30 | 545 | DN1018CT-ND | 2.94 | 2.80 | 1.82 | DN1018TR-ND | 542.50 | S1008-152K |
| 1.5 | 7.9 | 30 | 545 | DN7884CT-ND | 2.94 | 2.80 | 1.82 | DN7884TR-ND | 542.50 | S1008R-152K |
| 2.2 | 7.9 | 30 | 375 | DN1020CT-ND | 2.94 | 2.80 | 1.82 | DN1020TR-ND | 542.50 | S1008-222K |
| 2.2 | 7.9 | 30 | 375 | DN7887CT-ND | 2.94 | 2.80 | 1.82 | DN7887TR-ND | 542.50 | S1008R-222K |
| 2.7 | 7.9 | 30 | 365 | DN1021CT-ND | 2.94 | 2.80 | 1.82 | DN1021TR-ND | 542.50 | S1008-272K |
| 2.7 | 7.9 | 30 | 365 | DN7889CT-ND | 2.94 | 2.80 | 1.82 | DN7889TR-ND | 542.50 | S1008R-272K |
| 3.3 | 7.9 | 30 | 355 | DN7892CT-ND | 2.94 | 2.80 | 1.82 | DN7892TR-ND | 542.50 | S1008R-332K |
| 4.7 | 7.9 | 30 | 305 | DN7895CT-ND | 2.94 | 2.80 | 1.82 | DN7895TR-ND | 542.50 | S1008R-472K |
| 6.8 | 7.9 | 30 | 250 | DN7899CT-ND | 2.94 | 2.80 | 1.82 | DN7899TR-ND | 542.50 | S1008R-682K |
| 8.2 | 7.9 | 30 | 240 | DN7901CT-ND | 2.94 | 2.80 | 1.82 | DN7901TR-ND | 542.50 | S1008R-822K |
| 10 | 7.9 | 30 | 230 | DN7881CT-ND | 2.94 | 2.80 | 1.82 | DN7881TR-ND | 542.50 | S1008R-103K |
| 12 | 2.5 | 30 | 220 | DN1029CT-ND | 2.94 | 2.80 | 1.82 | DN1029TR-ND | 542.50 | S1008-123K |
| 12 | 2.5 | 30 | 220 | DN7883CT-ND | 2.94 | 2.80 | 1.82 | DN7883TR-ND | 542.50 | S1008R-123K |
| 15 | 2.5 | 30 | 210 | DN1030CT-ND | 2.94 | 2.80 | 1.82 | DN1030TR-ND | 542.50 | S1008-153K |
| 15 | 2.5 | 30 | 210 | DN7885CT-ND | 2.94 | 2.80 | 1.82 | DN7885TR-ND | 542.50 | S1008R-153K |
| 18 | 2.5 | 30 | 200 | DN1031CT-ND | 2.94 | 2.80 | 1.82 | DN1031TR-ND | 542.50 | S1008-183K |
| 18 | 2.5 | 30 | 200 | DN7886CT-ND | 2.94 | 2.80 | 1.82 | DN7886TR-ND | 542.50 | S1008R-183K |
| 22 | 2.5 | 30 | 170 | DN7888CT-ND | 2.94 | 2.80 | 1.82 | DN7888TR-ND | 542.50 | S1008R-223K |
| 27 | 2.5 | 30 | 160 | DN1033CT-ND | 2.94 | 2.80 | 1.82 | DN1033TR-ND | 542.50 | S1008-273K |

API Delevan Coils and Inductors

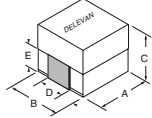
Series 1210 Unshielded Surface Mount Inductors (Cont.)



| Induct. (µH) | Test Freq. (MHz) | Q Min. | Current Rating Max. (mA) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--------------|------------------|--------|--------------------------|-------------------|---------------------|------|-----|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| 4.7 | 7.9 | 30 | 352 | DN42063JCT-ND | 1.05 | 1.00 | .65 | DN42063JTR-ND | 193.75 | 1210R-472J |
| 5.6 | 7.9 | 30 | 341 | DN10562JCT-ND | 1.05 | 1.00 | .65 | — | — | 1210-562J |
| 5.6 | 7.9 | 30 | 341 | DN42066JCT-ND | 1.05 | 1.00 | .65 | DN42066JTR-ND | 193.75 | 1210R-562J |
| 6.8 | 7.9 | 30 | 321 | DN42070JCT-ND | 1.05 | 1.00 | .65 | DN42070JTR-ND | 193.75 | 1210R-682J |
| 8.2 | 7.9 | 30 | 305 | DN42074JCT-ND | 1.05 | 1.00 | .65 | DN42074JTR-ND | 193.75 | 1210R-822J |
| 10 | 7.9 | 30 | 297 | DN42030JCT-ND | 1.05 | 1.00 | .65 | DN42030JTR-ND | 193.75 | 1210R-103J |
| 15 | 2.5 | 30 | 257 | DN10153JCT-ND | 1.05 | 1.00 | .65 | DN10153JTR-ND | 193.75 | 1210-153J |
| 15 | 2.5 | 30 | 257 | DN42037JCT-ND | 1.05 | 1.00 | .65 | DN42037JTR-ND | 193.75 | 1210R-153J |
| 18 | 2.5 | 30 | 237 | DN42047JCT-ND | 1.05 | 1.00 | .65 | DN42047JTR-ND | 193.75 | 1210R-183J |
| 22 | 2.5 | 30 | 224 | DN42051JCT-ND | 1.05 | 1.00 | .65 | DN42051JTR-ND | 193.75 | 1210R-223J |
| 27 | 2.5 | 30 | 193 | DN10273JCT-ND | 1.05 | 1.00 | .65 | DN10273JTR-ND | 193.75 | 1210-273J |
| 27 | 2.5 | 30 | 193 | DN42054JCT-ND | 1.05 | 1.00 | .65 | DN42054JTR-ND | 193.75 | 1210R-273J |
| 33 | 2.5 | 30 | 182 | DN42057JCT-ND | 1.05 | 1.00 | .65 | DN42057JTR-ND | 193.75 | 1210R-333J |
| 39 | 2.5 | 30 | 170 | DN42060JCT-ND | 1.05 | 1.00 | .65 | DN42060JTR-ND | 193.75 | 1210R-393J |
| 47 | 2.5 | 30 | 163 | DN42064JCT-ND | 1.05 | 1.00 | .65 | DN42064JTR-ND | 193.75 | 1210R-473J |
| 56 | 2.5 | 30 | 152 | DN10563JCT-ND | 1.05 | 1.00 | .65 | — | — | 1210-563J |
| 56 | 2.5 | 30 | 152 | DN42067JCT-ND | 1.05 | 1.00 | .65 | DN42067JTR-ND | 193.75 | 1210R-563J |
| 68 | 2.5 | 30 | 144 | DN10683JCT-ND | 1.05 | 1.00 | .65 | DN10683JTR-ND | 193.75 | 1210-683J |
| 68 | 2.5 | 30 | 144 | DN42071JCT-ND | 1.05 | 1.00 | .65 | DN42071JTR-ND | 193.75 | 1210R-683J |
| 100 | 2.5 | 30 | 120 | DN42031JCT-ND | 1.05 | 1.00 | .65 | DN42031JTR-ND | 193.75 | 1210R-104J |

1210RKIT-ND (1210RKIT) Series 1210 Inductor Kit
5 each of 58 values (0.001µH to 100.0µH), 290 total pieces.....\$322.00
◆ RoHS Compliant

Series S1210 Shielded Surface Mount Inductors



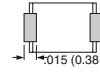
Operating Temperature Range: -55°C - 125°C
Maximum Power Dissipation @ 90°C: .266W (Iron), .224W (Ferrite)

| Minimum to Maximum Dimensions - Inch (mm) | | | | |
|---|------------------------------|------------------------------|------------------------------|----------------|
| A (over terminals) | B | C (over terminals) | D | E |
| .118 - .138 (3.00 - 3.51) | .085 - .105 (2.16 - 2.67) | .081 - .101 (2.06 - 2.57) | .041 - .061 (1.04 - 1.55) | .054 (1.37) |

| Induct. (µH) | Test Freq. (MHz) | Q Min. | Current Rating Max. (mA) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--|------------------|--------|--------------------------|-------------------|---------------------|------|-----|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| Series S1210 Iron Core, ±10% | | | | | | | | | | |
| .10 | 25 | 40 | 1175 | DN1050CT-ND | 1.30 | 1.24 | .81 | DN1050TR-ND | 240.25 | S1210-101K |
| .10 | 25 | 40 | 1175 | DN7903CT-ND | 1.30 | 1.24 | .81 | DN7903TR-ND | 240.25 | S1210R-101K |
| .12 | 25 | 40 | 1104 | DN1051CT-ND | 1.30 | 1.24 | .81 | DN1051TR-ND | 240.25 | S1210-121K |
| .12 | 25 | 40 | 1104 | DN7907CT-ND | 1.30 | 1.24 | .81 | DN7907TR-ND | 240.25 | S1210R-121K |
| .15 | 25 | 40 | 1017 | DN1052CT-ND | 1.30 | 1.24 | .81 | — | — | S1210-151K |
| .15 | 25 | 40 | 1017 | DN7909CT-ND | 1.30 | 1.24 | .81 | DN7909TR-ND | 240.25 | S1210R-151K |
| .18 | 25 | 40 | 971 | DN7912CT-ND | 1.30 | 1.24 | .81 | DN7912TR-ND | 240.25 | S1210R-181K |
| .33 | 25 | 40 | 831 | DN7918CT-ND | 1.30 | 1.24 | .81 | DN7918TR-ND | 240.25 | S1210R-331K |
| .39 | 25 | 40 | 720 | DN7921CT-ND | 1.30 | 1.24 | .81 | DN7921TR-ND | 240.25 | S1210R-391K |
| .47 | 25 | 40 | 679 | DN7924CT-ND | 1.30 | 1.24 | .81 | DN7924TR-ND | 240.25 | S1210R-471K |
| .56 | 25 | 40 | 644 | DN7927CT-ND | 1.30 | 1.24 | .81 | DN7927TR-ND | 240.25 | S1210R-561K |
| .68 | 25 | 40 | 614 | DN7929CT-ND | 1.30 | 1.24 | .81 | DN7929TR-ND | 240.25 | S1210R-681K |
| .82 | 25 | 40 | 588 | DN7931CT-ND | 1.30 | 1.24 | .81 | DN7931TR-ND | 240.25 | S1210R-821K |
| Series S1210 Ferrite Core, ±10% | | | | | | | | | | |
| 1.0 | 7.9 | 40 | 679 | DN7904CT-ND | 1.30 | 1.24 | .81 | DN7904TR-ND | 240.25 | S1210R-102K |
| 1.2 | 7.9 | 40 | 650 | DN1063CT-ND | 1.30 | 1.24 | .81 | DN1063TR-ND | 240.25 | S1210-122K |
| 1.2 | 7.9 | 40 | 650 | DN7908CT-ND | 1.30 | 1.24 | .81 | DN7908TR-ND | 240.25 | S1210R-122K |
| 1.5 | 7.9 | 40 | 603 | DN1064CT-ND | 1.30 | 1.24 | .81 | — | — | S1210-152K |
| 1.5 | 7.9 | 40 | 603 | DN7910CT-ND | 1.30 | 1.24 | .81 | DN7910TR-ND | 240.25 | S1210R-152K |
| 1.8 | 7.9 | 40 | 564 | DN1065CT-ND | 1.30 | 1.24 | .81 | DN1065TR-ND | 240.25 | S1210-182K |
| 1.8 | 7.9 | 40 | 564 | DN7913CT-ND | 1.30 | 1.24 | .81 | DN7913TR-ND | 240.25 | S1210R-182K |
| 2.2 | 7.9 | 40 | 533 | DN7914CT-ND | 1.30 | 1.24 | .81 | DN7914TR-ND | 240.25 | S1210R-222K |
| 2.7 | 7.9 | 40 | 526 | DN7916CT-ND | 1.30 | 1.24 | .81 | DN7916TR-ND | 240.25 | S1210R-272K |
| 3.3 | 7.9 | 40 | 509 | DN7919CT-ND | 1.30 | 1.24 | .81 | DN7919TR-ND | 240.25 | S1210R-332K |
| 3.9 | 7.9 | 40 | 500 | DN1069CT-ND | 1.30 | 1.24 | .81 | DN1069TR-ND | 240.25 | S1210-392K |
| 3.9 | 7.9 | 40 | 500 | DN7922CT-ND | 1.30 | 1.24 | .81 | DN7922TR-ND | 240.25 | S1210R-392K |
| 4.7 | 7.9 | 40 | 455 | DN7925CT-ND | 1.30 | 1.24 | .81 | DN7925TR-ND | 240.25 | S1210R-472K |
| 5.6 | 7.9 | 40 | 399 | DN7928CT-ND | 1.30 | 1.24 | .81 | DN7928TR-ND | 240.25 | S1210R-562K |
| 6.8 | 7.9 | 40 | 372 | DN7930CT-ND | 1.30 | 1.24 | .81 | DN7930TR-ND | 240.25 | S1210R-682K |
| 8.2 | 7.9 | 40 | 349 | DN1073CT-ND | 1.30 | 1.24 | .81 | DN1073TR-ND | 240.25 | S1210-822K |
| 10 | 2.5 | 40 | 330 | DN7905CT-ND | 1.30 | 1.24 | .81 | DN7905TR-ND | 240.25 | S1210R-103K |
| 15 | 2.5 | 40 | 288 | DN7911CT-ND | 1.30 | 1.24 | .81 | DN7911TR-ND | 240.25 | S1210R-153K |
| 22 | 2.5 | 40 | 262 | DN7915CT-ND | 1.30 | 1.24 | .81 | DN7915TR-ND | 240.25 | S1210R-223K |
| 27 | 2.5 | 40 | 228 | DN7917CT-ND | 1.30 | 1.24 | .81 | DN7917TR-ND | 240.25 | S1210R-273K |
| 33 | 2.5 | 40 | 215 | DN7920CT-ND | 1.30 | 1.24 | .81 | DN7920TR-ND | 240.25 | S1210R-333K |
| 39 | 2.5 | 40 | 204 | DN1081CT-ND | 1.30 | 1.24 | .81 | DN1081TR-ND | 240.25 | S1210-393K |
| 39 | 2.5 | 40 | 204 | DN7923CT-ND | 1.30 | 1.24 | .81 | DN7923TR-ND | 240.25 | S1210R-393K |
| 47 | 2.5 | 40 | 194 | DN7926CT-ND | 1.30 | 1.24 | .81 | DN7926TR-ND | 240.25 | S1210R-473K |
| 100 | 2.5 | 40 | 144 | DN7906CT-ND | 1.30 | 1.24 | .81 | DN7906TR-ND | 240.25 | S1210R-104K |

S1210RKIT-ND (S1210RKIT) Series S1210 Inductor Kit
5 each of 37 values (0.10µH to 100.0µH), 185 total pieces.....\$236.25
◆ RoHS Compliant

Series 1812 Unshielded Surface Mount Inductors



Operating Temperature Range: 67°F - 257°F (-55°C - 125°C)
Maximum Power Dissipation @ 90°C: .278W (Iron and Ferrite), .210W (Phenolic)

| Minimum to Maximum Dimensions - Inch (mm) | | | | |
|---|------------------------------|------------------------------|------------------------------|----------------|
| A (over terminals) | B | C (over terminals) | D | E |
| .166 - .190 (4.22 - 4.83) | .118 - .134 (3.00 - 3.40) | .118 - .134 (3.00 - 3.40) | .054 - .078 (1.37 - 1.98) | .066 (1.68) |

| Induct. (µH) | Test Freq. (MHz) | Q Min. | Current Rating Max. (mA) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--|------------------|--------|--------------------------|-------------------|---------------------|------|-----|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| Series 1812 Iron Core, ±10% | | | | | | | | | | |
| .12 | 25 | 30 | 818 | DN12121CT-ND | .84 | .80 | .52 | DN12121TR-ND | 155.00 | 1812-121K |
| .18 | 25 | 30 | 757 | DN12181CT-ND | .84 | .80 | .52 | DN12181TR-ND | 155.00 | 1812-181K |
| .22 | 25 | 30 | 708 | DN42123CT-ND | .84 | .80 | .52 | DN42123TR-ND | 155.00 | 1812R-221K |
| .27 | 25 | 30 | 668 | DN12271CT-ND | .84 | .80 | .52 | DN12271TR-ND | 155.00 | 1812-271K |
| .56 | 25 | 30 | 409 | DN12561CT-ND | .84 | .80 | .52 | DN12561TR-ND | 155.00 | 1812-561K |
| .68 | 25 | 30 | 379 | DN12681CT-ND | .84 | .80 | .52 | DN12681TR-ND | 155.00 | 1812-681K |
| Series 1812 Ferrite Core - J Tolerance, ±5% | | | | | | | | | | |
| 1.0 | 7.9 | 50 | 634 | DN42111JCT-ND | 1.22 | 1.16 | .76 | DN42111JTR-ND | 224.75 | 1812R-102J |
| 1.2 | 7.9 | 50 | 604 | DN42151JCT-ND | 1.22 | 1.16 | .76 | DN42151JTR-ND | 224.75 | 1812R-122J |
| 1.5 | 7.9 | 50 | 578 | DN42171JCT-ND | 1.22 | 1.16 | .76 | DN42171JTR-ND | 224.75 | 1812R-152J |
| 1.8 | 7.9 | 50 | 556 | DN42191JCT-ND | 1.22 | 1.16 | .76 | DN42191JTR-ND | 224.75 | 1812R-182J |
| 2.2 | 7.9 | 50 | 535 | DN12222JCT-ND | 1.22 | 1.16 | .76 | DN12222JTR-ND | 224.75 | 1812-222J |
| 2.2 | 7.9 | 50 | 535 | DN42124JCT-ND | 1.22 | 1.16 | .76 | DN42124JTR-ND | 224.75 | 1812R-222J |
| 2.7 | 7.9 | 50 | 517 | DN42127JCT-ND | 1.22 | 1.16 | .76 | DN42127JTR-ND | 224.75 | 1812R-272J |
| 3.3 | 7.9 | 50 | 501 | DN42130JCT-ND | 1.22 | 1.16 | .76 | DN42130JTR-ND | 224.75 | 1812R-332J |
| 3.9 | 7.9 | 50 | 472 | DN12392JCT-ND | 1.22 | 1.16 | .76 | DN12392JTR-ND | 224.75 | 1812-392J |
| 3.9 | 7.9 | 50 | 472 | DN42133JCT-ND | 1.22 | 1.16 | .76 | DN42133JTR-ND | 224.75 | 1812R-392J |
| 4.7 | 7.9 | 50 | 448 | DN42135JCT-ND | 1.22 | 1.16 | .76 | DN42135JTR-ND | 224.75 | 1812R-472J |
| 5.6 | 7.9 | 50 | 427 | DN42138JCT-ND | 1.22 | 1.16 | .76 | DN42138JTR-ND | 224.75 | 1812R-562J |
| 8.2 | 7.9 | 50 | 375 | DN42141JCT-ND | 1.22 | 1.16 | .76 | DN42141JTR-ND | 224.75 | 1812R-822J |
| 10 | 7.9 | 50 | 354 | DN42121JCT-ND | 1.22 | 1.16 | .76 | DN42121JTR-ND | 224.75 | 1812R-103J |
| 12 | 2.5 | 50 | 317 | DN42116JCT-ND | 1.22 | 1.16 | .76 | DN42116JTR-ND | 224.75 | 1812R-123J |
| 15 | 2.5 | 50 | 283 | DN12153JCT-ND | 1.22 | 1.16 | .76 | DN12153JTR-ND | 224.75 | 1812-153J |
| 15 | 2.5 | 50 | 283 | DN42118JCT-ND | 1.22 | 1.16 | .76 | DN42118JTR-ND | 224.75 | 1812R-153J |
| 18 | 2.5 | 50 | 268 | DN12183JCT-ND | 1.22 | 1.16 | .76 | DN12183JTR-ND | 224.75 | 1812-183J |
| 18 | 2.5 | 50 | 268 | DN42121JCT-ND | 1.22 | 1.16 | .76 | DN42121JTR-ND | 224.75 | 1812R-183J |
| 22 | 2.5 | 50 | 250 | DN12223JCT-ND | 1.22 | 1.16 | .76 | — | — | 1812-223J |
| 22 | 2.5 | 50 | 250 | DN42125JCT-ND | 1.22 | 1.16 | .76 | DN42125JTR-ND | 224.75 | 1812R-223J |
| 27 | 2.5 | 50 | 236 | DN42128JCT-ND | 1.22 | 1.16 | .76 | DN42128JTR-ND | 224.75 | 1812R-273J |
| 33 | 2.5 | 50 | 224 | DN42131JCT-ND | 1.22 | 1.16 | .76 | DN42131JTR-ND | 224.75 | 1812R-333J |
| 39 | 2.5 | 50 | 211 | DN12393JCT-ND | 1.22 | 1.16 | .76 | DN12393JTR-ND | 224.75 | 1812-393J |
| 39 | 2.5 | 50 | 211 | DN42134JCT-ND | 1.22 | 1.16 | .76 | DN42134JTR-ND | 224.75 | 1812R-393J |
| 47 | 2.5 | 50 | 200 | DN42136JCT-ND | 1.22 | 1.16 | .76 | DN42136JTR-ND | 224.75 | 1812R-473J |
| 56 | 2.5 | | | | | | | | | |

API Delevan Coils and Inductors

Series S1812 Shielded Surface Mount Inductors (Cont.)

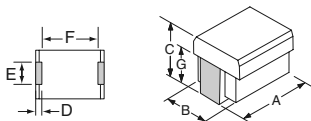


| Induct. (µH) | Test Freq. (MHz) | Q Min. | Current Rating Max. (mA) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--|------------------|--------|--------------------------|-------------------|---------------------|------|------|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| Series S1812 Ferrite Core, ±10% | | | | | | | | | | |
| 1.0 | 7.9 | 40 | 755 | DN7932CT-ND | 1.76 | 1.68 | 1.10 | DN7932TR-ND | 325.50 | S1812R-102K |
| 1.2 | 7.9 | 40 | 725 | DN1113CT-ND | 1.76 | 1.68 | 1.10 | — | — | S1812-122K |
| 1.5 | 7.9 | 40 | 706 | DN1114CT-ND | 1.76 | 1.68 | 1.10 | — | — | S1812-152K |
| 1.5 | 7.9 | 40 | 706 | DN7937CT-ND | 1.76 | 1.68 | 1.10 | DN7937TR-ND | 325.50 | S1812R-152K |
| 2.2 | 7.9 | 40 | 658 | DN7940CT-ND | 1.76 | 1.68 | 1.10 | DN7940TR-ND | 325.50 | S1812R-222K |
| 3.3 | 7.9 | 40 | 534 | DN7943CT-ND | 1.76 | 1.68 | 1.10 | DN7943TR-ND | 325.50 | S1812R-332K |
| 3.9 | 7.9 | 40 | 487 | DN1119CT-ND | 1.76 | 1.68 | 1.10 | DN1119TR-ND | 325.50 | S1812-392K |
| 3.9 | 7.9 | 40 | 487 | DN7946CT-ND | 1.76 | 1.68 | 1.10 | DN7946TR-ND | 325.50 | S1812R-392K |
| 4.7 | 7.9 | 40 | 471 | DN1120CT-ND | 1.76 | 1.68 | 1.10 | DN1120TR-ND | 325.50 | S1812-472K |
| 4.7 | 7.9 | 40 | 471 | DN7947CT-ND | 1.76 | 1.68 | 1.10 | DN7947TR-ND | 325.50 | S1812R-472K |
| 5.6 | 7.9 | 40 | 447 | DN7950CT-ND | 1.76 | 1.68 | 1.10 | DN7950TR-ND | 325.50 | S1812R-562K |
| 6.8 | 7.9 | 40 | 408 | DN7953CT-ND | 1.76 | 1.68 | 1.10 | DN7953TR-ND | 325.50 | S1812R-682K |
| 8.2 | 7.9 | 40 | 372 | DN7956CT-ND | 1.76 | 1.68 | 1.10 | DN7956TR-ND | 325.50 | S1812R-822K |
| 10 | 2.5 | 50 | 333 | DN7933CT-ND | 1.76 | 1.68 | 1.10 | DN7933TR-ND | 325.50 | S1812R-103K |
| 15 | 2.5 | 50 | 301 | DN1126CT-ND | 1.76 | 1.68 | 1.10 | — | — | S1812-153K |
| 15 | 2.5 | 50 | 301 | DN7938CT-ND | 1.76 | 1.68 | 1.10 | DN7938TR-ND | 325.50 | S1812R-153K |
| 22 | 2.5 | 50 | 277 | DN7941CT-ND | 1.76 | 1.68 | 1.10 | DN7941TR-ND | 325.50 | S1812R-223K |
| 33 | 2.5 | 50 | 258 | DN7944CT-ND | 1.76 | 1.68 | 1.10 | DN7944TR-ND | 325.50 | S1812R-333K |
| 47 | 2.5 | 50 | 242 | DN7948CT-ND | 1.76 | 1.68 | 1.10 | DN7948TR-ND | 325.50 | S1812R-473K |
| 56 | 2.5 | 50 | 235 | DN7951CT-ND | 1.76 | 1.68 | 1.10 | DN7951TR-ND | 325.50 | S1812R-563K |
| 68 | 2.5 | 50 | 215 | DN1134CT-ND | 1.76 | 1.68 | 1.10 | — | — | S1812-683K |
| 68 | 2.5 | 50 | 215 | DN7954CT-ND | 1.76 | 1.68 | 1.10 | DN7954TR-ND | 325.50 | S1812R-683K |
| 100 | 7.9 | 40 | 169 | DN7934CT-ND | 1.76 | 1.68 | 1.10 | DN7934TR-ND | 325.50 | S1812R-104K |
| 120 | 7.9 | 40 | 163 | DN7936CT-ND | 1.76 | 1.68 | 1.10 | DN7936TR-ND | 325.50 | S1812R-124K |
| 180 | 7.9 | 40 | 153 | DN1139CT-ND | 1.76 | 1.68 | 1.10 | DN1139TR-ND | 325.50 | S1812-184K |
| 180 | 7.9 | 40 | 153 | DN7939CT-ND | 1.76 | 1.68 | 1.10 | DN7939TR-ND | 325.50 | S1812R-184K |
| 220 | 7.9 | 40 | 149 | DN7942CT-ND | 1.76 | 1.68 | 1.10 | DN7942TR-ND | 325.50 | S1812R-224K |
| 330 | 7.9 | 40 | 129 | DN7945CT-ND | 1.76 | 1.68 | 1.10 | DN7945TR-ND | 325.50 | S1812R-334K |
| 390 | 7.9 | 40 | 105 | DN1143CT-ND | 1.76 | 1.68 | 1.10 | DN1143TR-ND | 325.50 | S1812-394K |
| 470 | 7.9 | 40 | 91 | DN7949CT-ND | 1.76 | 1.68 | 1.10 | DN7949TR-ND | 325.50 | S1812R-474K |
| 560 | 7.9 | 40 | 84 | DN7952CT-ND | 1.76 | 1.68 | 1.10 | DN7952TR-ND | 325.50 | S1812R-564K |
| 680 | 7.9 | 40 | 79 | DN1146CT-ND | 1.76 | 1.68 | 1.10 | DN1146TR-ND | 325.50 | S1812-684K |
| 680 | 7.9 | 40 | 79 | DN7955CT-ND | 1.76 | 1.68 | 1.10 | DN7955TR-ND | 325.50 | S1812R-684K |
| 1,000 | 25 | .40 | 60 | DN7935CT-ND | 1.76 | 1.68 | 1.10 | DN7935TR-ND | 325.50 | S1812R-105K |

S1812RKIT-ND* (S1812RKIT) Series S1812 Inductor Kit
5 each of 49 values (0.10µH to 1000.0µH), 245 total pieces \$323.40

◆ RoHS Compliant

Series P1812 Surface Mount Power Inductors



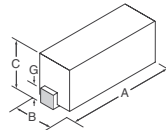
| Minimum to Maximum Dimensions – Inch (mm) | | | | |
|---|---------------------------|---------------------------|---------------|--|
| A (over terminals) | B | C (over terminals) | D (Min.) | |
| .166 – .190 (4.22 – 4.83) | .118 – .134 (3.00 – 3.40) | .118 – .134 (3.00 – 3.40) | .015 (.38) | |
| E | | | G (Ref. only) | |
| .054 – .078 (1.37-1.98) | | | .066 (1.68) | |

Operating Temperature Range: -55°C – 125°C Maximum Power Dissipation @ 90°C: 278W.

| Induct. (µH) ±10% @ 1KHz | DC Resist. Max. (Ohms) | Current Rating (mA) | Incremental Current Rating (mA DC) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--------------------------|------------------------|---------------------|------------------------------------|-------------------|---------------------|------|-----|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| 1.0 | 0.113 | 1050 | 2400 | DN7868CT-ND | 1.26 | 1.20 | .78 | DN7868TR-ND | 232.50 | P1812R-102K |
| 4.7 | 0.401 | 650 | 1131 | DN3308CT-ND | 1.26 | 1.20 | .78 | — | — | P1812-472K |
| 4.7 | 0.401 | 650 | 1131 | DN7875CT-ND | 1.26 | 1.20 | .78 | DN7875TR-ND | 232.50 | P1812R-472K |
| 5.6 | 0.437 | 650 | 1060 | DN7877CT-ND | 1.26 | 1.20 | .78 | DN7877TR-ND | 232.50 | P1812R-562K |
| 6.8 | 0.472 | 600 | 990 | DN3310CT-ND | 1.26 | 1.20 | .78 | — | — | P1812-682K |
| 6.8 | 0.472 | 600 | 990 | DN7878CT-ND | 1.26 | 1.20 | .78 | DN7878TR-ND | 232.50 | P1812R-682K |
| 10 | 0.608 | 550 | 772 | DN7869CT-ND | 1.26 | 1.20 | .78 | DN7869TR-ND | 232.50 | P1812R-103K |
| 15 | 0.780 | 450 | 693 | DN7871CT-ND | 1.26 | 1.20 | .78 | DN7871TR-ND | 232.50 | P1812R-153K |
| 18 | 0.875 | 400 | 614 | DN7872CT-ND | 1.26 | 1.20 | .78 | DN7872TR-ND | 232.50 | P1812R-183K |
| 22 | 1.200 | 370 | 515 | DN7873CT-ND | 1.26 | 1.20 | .78 | DN7873TR-ND | 232.50 | P1812R-223K |
| 33 | 1.578 | 300 | 425 | DN7874CT-ND | 1.26 | 1.20 | .78 | DN7874TR-ND | 232.50 | P1812R-333K |
| 47 | 2.064 | 260 | 366 | DN7876CT-ND | 1.26 | 1.20 | .78 | DN7876TR-ND | 232.50 | P1812R-473K |
| 68 | 3.408 | 220 | 297 | DN3322CT-ND | 1.26 | 1.20 | .78 | DN3322TR-ND | 232.50 | P1812-683K |
| 100 | 4.320 | 180 | 238 | DN7870CT-ND | 1.26 | 1.20 | .78 | DN7870TR-ND | 232.50 | P1812R-104K |
| 120 | 6.000 | 160 | 208 | DN3325CT-ND | 1.26 | 1.20 | .78 | DN3325TR-ND | 232.50 | P1812-124K |

◆ RoHS Compliant

Series P1330 Surface Mount Power Inductors



| Minimum to Maximum Dimensions – Inch (mm) | | | |
|---|---------------------------|---------------------------|-------------|
| A | B | C | D (Min.) |
| .300 – .325 (7.62 – 8.26) | .105 – .125 (2.67 – 3.18) | .125 – .145 (3.18 – 3.68) | .020 (.506) |
| E | | G (Ref. only) | |
| .040 – .060 (1.02 – 1.52) | | .190 (4.83) | |

Operating Temperature Range: -55°C – 125°C Maximum Power Dissipation @ 90°C: 210W

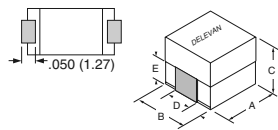
| Induct. (µH) ±10% @ 1KHz | DC Resist. Max. (Ohms) | Current Rating (mA) | Incremental Current Rating (mA DC) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T&R Pricing 500 | API Delevan Part No. |
|--------------------------|------------------------|---------------------|------------------------------------|-------------------|---------------------|------|------|-------------------|-----------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| 1.0 | 0.035 | 2780 | 1526 | DN3260CT-ND | 1.87 | 1.79 | 1.16 | DN3260TR-ND | 480.50 | P1330-102K |
| 1.0 | 0.035 | 2780 | 1526 | DN7855CT-ND | 2.60 | 2.48 | 1.62 | DN7855TR-ND | 480.50 | P1330R-102K |
| 2.2 | 0.075 | 1690 | 1104 | DN7860CT-ND | 2.60 | 2.48 | 1.62 | DN7860TR-ND | 480.50 | P1330R-222K |
| 5.6 | 0.145 | 1110 | 612 | DN7865CT-ND | 2.60 | 2.48 | 1.62 | DN7865TR-ND | 480.50 | P1330R-562K |
| 10 | 0.216 | 946 | 564 | DN7866CT-ND | 2.60 | 2.48 | 1.62 | DN7866TR-ND | 480.50 | P1330R-103K |
| 22 | 0.384 | 694 | 348 | DN3276CT-ND | 1.87 | 1.79 | 1.16 | DN3276TR-ND | 372.00 | P1330-223K |
| 22 | 0.384 | 694 | 348 | DN7861CT-ND | 2.60 | 2.48 | 1.62 | DN7861TR-ND | 480.50 | P1330R-223K |
| 47 | 0.792 | 467 | 246 | DN7863CT-ND | 2.60 | 2.48 | 1.62 | DN7863TR-ND | 480.50 | P1330R-473K |
| 68 | 1.020 | 384 | 174 | DN7866CT-ND | 2.60 | 2.48 | 1.62 | DN7866TR-ND | 480.50 | P1330R-683K |
| 82 | 1.380 | 362 | 150 | DN7867CT-ND | 2.60 | 2.48 | 1.62 | DN7867TR-ND | 480.50 | P1330R-823K |
| 100 | 1.680 | 347 | 132 | DN3284CT-ND | 2.20 | 2.10 | 1.36 | DN3284TR-ND | 558.00 | P1330-104K |
| 100 | 1.680 | 347 | 132 | DN7857CT-ND | 3.02 | 2.88 | 1.88 | DN7857TR-ND | 558.00 | P1330R-104K |
| 150 | 2.040 | 272 | 106 | DN3286CT-ND | 2.20 | 2.10 | 1.36 | — | — | P1330-154K |
| 150 | 2.040 | 272 | 106 | DN7859CT-ND | 3.02 | 2.88 | 1.88 | DN7859TR-ND | 558.00 | P1330R-154K |
| 330 | 4.800 | 179 | 57 | DN3290CT-ND | 2.20 | 2.10 | 1.36 | — | — | P1330-334K |
| 330 | 4.800 | 179 | 57 | DN7862CT-ND | 3.02 | 2.88 | 1.88 | DN7862TR-ND | 558.00 | P1330R-334K |
| 470 | 6.000 | 161 | 41 | DN7864CT-ND | 3.02 | 2.88 | 1.88 | DN7864TR-ND | 558.00 | P1330R-474K |
| 1,000 | 11.160 | 105 | 22 | DN7858CT-ND | 3.02 | 2.88 | 1.88 | DN7858TR-ND | 558.00 | P1330R-105K |

◆ RoHS Compliant

Series 4922 High Current Surface Mount Power Inductors



Mechanical Configuration: Units are encapsulated in a surface mount package using an epoxy molded case. Leads are pre-tinned. A high resistivity ferrite core allows for high inductance with low DC resistance.



Operating Temperature Range: -55°C – 125°C • Current Rating: 40°C Rise over 85°C Ambient • Maximum Power Dissipation @ 85°C: .55W • Inductance: Measured at 1V with no DC current

| Minimum to Maximum Dimensions – Inch (mm) | | | | |
|---|-------------|-------------|-------------|---------------|
| A | B | C | D | E (Ref. only) |
| .500 (12.70) | .240 (6.10) | .220 (5.59) | .065 (1.66) | .100 (2.54) |

| Induct. (µH) ±15% @ 1KHz | DC Resist. Max. (Ohms) | Rated Current (Max. Amps) | Incremental Current (Amps) | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | T & R Pricing 600 | API Delevan Part No. |
|---------------------------------------|------------------------|---------------------------|----------------------------|-------------------|---------------------|------|------|-------------------|-------------------|----------------------|
| | | | | | 1 | 10 | 100 | | | |
| Series 4922 Ferrite Core, ±15% | | | | | | | | | | |
| 0.22 | 0.0080 | 7.00 | 7.00 | DN2193CT-ND | 2.69 | 2.56 | 1.67 | — | — | 4922-221L |
| 0.22 | 0.0080 | 7.00 | 7.00 | DN7802CT-ND | 2.90 | 2.76 | 1.80 | DN7802TR-ND | 855.60 | 4922R-221L |
| 0.33 | 0.0090 | 6.50 | 6.50 | DN2195CT-ND | 2.69 | 2.56 | 1.67 | DN2195TR-ND | 855.60 | 4922-331L |
| 0.39 | 0.0095 | 6.25 | 6.25 | DN2196CT-ND | 2.69 | 2.56 | 1.67 | DN2196TR-ND | 855.60 | 4922-391L |
| 0.47 | 0.0100 | 6.00 | 6.00 | DN2197CT-ND | 2.69 | 2.56 | 1.67 | DN2197TR-ND | 855.60 | 4922-471L |
| 0.47 | 0.0100 | 6.00 | 6.00 | DN7817CT-ND | 2.90 | 2.76 | 1.80 | DN7817TR-ND | 855.60 | 4922R-471L |
| 0.56 | 0.0105 | 5.80 | 5.80 | DN2198CT-ND | 2.69 | 2.56 | 1.67 | DN2198TR-ND | 855.60 | 4922-561L |
| 0.68 | 0.0110 | 5.70 | 5.70 | DN2199CT-ND | 2.69 | 2.56 | 1.67 | DN2199TR-ND | 806.00 | 4922-681L |
| 0.82 | 0.0120 | 5.60 | 5.60 | DN2200CT-ND | 2.69 | 2.56 | 1.67 | — | — | 4922-821L |
| 1.0 | 0.013 | 5.50 | 5.50 | DN7788CT-ND | 2.90 | 2.76 | 1.80 | DN7788TR-ND | 855.60 | 4922R-01L |
| 1.2 | 0.018 | 4.69 | 4.69 | DN2202CT-ND | 2.69 | 2.56 | 1.67 | — | — | 4922-02L |
| 1.5 | 0.020 | 4.45 | 4.45 | DN2203CT-ND | 2.69 | 2.56 | 1.67 | DN2203TR-ND | 855.60 | 4922-03L |
| 1.8 | 0.021 | 4.34 | 4.34 | DN2204CT-ND | 2.69 | 2.56 | 1.67 | DN2204TR-ND | 855 | |