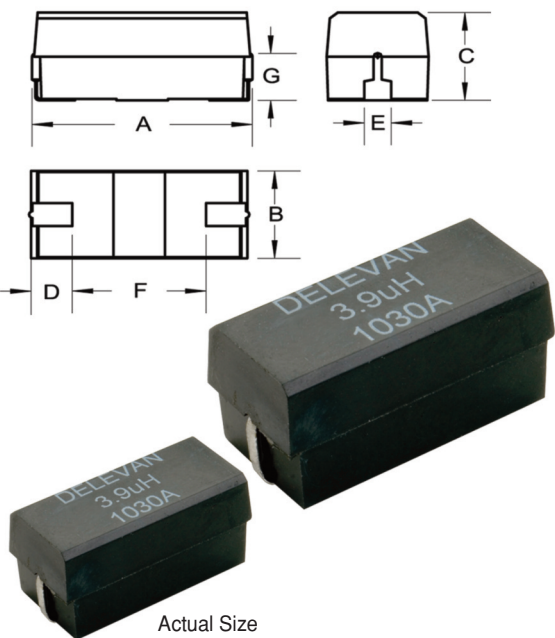




High Current Power Chokes



Actual Size

Physical Parameters

| | Inches | Millimeters |
|---|-------------------|-------------------|
| A | 1.020 to 1.080 | 25.91 to 27.44 |
| B | 0.480 to 0.510 | 12.20 to 12.96 |
| C | 0.520 Maximum | 13.21 Maximum |
| D | 0.240 Minimum | 6.10 Minimum |
| E | 0.120 to 0.160 | 3.05 to 4.07 |
| F | 0.500 (Ref. Only) | 12.70 (Ref. Only) |
| G | 0.250 (Ref. Only) | 6.35 (Ref. Only) |

Dimensions "A" and "C" and "G" are over the terminals.
Operating Temperature Range -55°C to +130°C
Current Rating at 85°C Ambient 45°C Temperature Rise
Maximum Power Dissipation at +85°C: 1.166 Watts Maximum
Inductance Measured @ 1 kHz with 0 ADC on Wayne Kerr 3245A, or equivalent.
Incremental Current The amount of DC that decreases the Inductance by 5% maximum relative to the 0 ADC.
Dielectric Withstanding Voltage Meets MIL-STD-202, Method 301, 1000 Vrms Minimum
Marking Delevan; dash number; date code/lot symbol (YYWWL).
 Note: An R before the date code/lot symbol indicates a RoHS Compliant choke.
 Example: 5500R-392K

DELEVAN
392
R 1822A

Thermal Shock Meets MIL-STD-202, Method 107, Test Condition A-1 (-55°C to +130°C).
Mechanical Shock Meets MIL-STD-202, Method 213, Test Condition I.
Vibration Meets MIL-STD-202, Method 204, Test Condition D
Solderability Meets MIL-STD-202, Method 208
Terminal Material and Final Finish
 Series 5500R: (Tin - Silver - Copper) Sn96.5Ag3.0Cu0.5 over Copper (Cu)
 Series 5500: (Tin - Lead) Sn63Pb37 over Copper (Cu)
Weight 13 Grams Maximum

Packaging Tape and Reel (44mm): 13" reel, 200 pieces max: 7" reel not available
Made In The U.S.A.

DASH NUMBER* ±10% (µH @ 1.00 kHz) INDUCTANCE MAXIMUM (OHMS) DC-RESISTANCE MAXIMUM (A DC) CURRENT RATING MAXIMUM (A DC) INCREMENTAL CURRENT (A DC)

| SERIES 5500R AND 5500 | | | | |
|-----------------------|---------|-------|-------|------|
| -392K | 3.9 | 0.007 | 11.91 | 9.13 |
| -472K | 4.7 | 0.008 | 11.14 | 8.30 |
| -562K | 5.6 | 0.011 | 9.50 | 7.61 |
| -682K | 6.8 | 0.012 | 9.10 | 7.02 |
| -822K | 8.2 | 0.013 | 8.74 | 6.52 |
| -103K | 10 | 0.016 | 7.88 | 5.71 |
| -123K | 12 | 0.018 | 7.43 | 5.07 |
| -153K | 15 | 0.020 | 7.05 | 4.57 |
| -183K | 18 | 0.022 | 6.72 | 4.15 |
| -223K | 22 | 0.024 | 6.43 | 3.65 |
| -273K | 27 | 0.025 | 6.30 | 3.38 |
| -333K | 33 | 0.028 | 5.96 | 3.04 |
| -393K | 39 | 0.031 | 5.66 | 2.85 |
| -473K | 47 | 0.034 | 5.41 | 2.61 |
| -563K | 56 | 0.043 | 4.81 | 2.34 |
| -683K | 68 | 0.060 | 4.08 | 2.12 |
| -823K | 82 | 0.066 | 3.88 | 1.94 |
| -104K | 100 | 0.084 | 3.44 | 1.76 |
| -124K | 120 | 0.113 | 2.96 | 1.60 |
| -154K | 150 | 0.129 | 2.78 | 1.43 |
| -184K | 180 | 0.150 | 2.57 | 1.30 |
| -224K | 220 | 0.162 | 2.48 | 1.19 |
| -274K | 270 | 0.226 | 2.10 | 1.07 |
| -334K | 330 | 0.257 | 1.97 | 0.96 |
| -394K | 390 | 0.288 | 1.86 | 0.88 |
| -474K | 470 | 0.393 | 1.59 | 0.81 |
| -564K | 560 | 0.504 | 1.40 | 0.74 |
| -684K | 680 | 0.570 | 1.32 | 0.68 |
| -824K | 820 | 0.643 | 1.24 | 0.63 |
| -105K | 1,000 | 0.844 | 1.08 | 0.56 |
| -125K | 1,200 | 0.977 | 1.01 | 0.51 |
| -155K | 1,500 | 1.18 | 0.92 | 0.45 |
| -185K | 1,800 | 1.50 | 0.81 | 0.41 |
| -225K | 2,200 | 1.76 | 0.75 | 0.37 |
| -275K | 2,700 | 2.13 | 0.68 | 0.32 |
| -335K | 3,300 | 2.53 | 0.63 | 0.30 |
| -395K | 3,900 | 2.84 | 0.59 | 0.28 |
| -475K | 4,700 | 3.79 | 0.51 | 0.25 |
| -565K | 5,600 | 4.24 | 0.48 | 0.23 |
| -685K | 6,800 | 5.75 | 0.42 | 0.21 |
| -825K | 8,200 | 6.44 | 0.39 | 0.19 |
| -106K | 10,000 | 7.30 | 0.37 | 0.17 |
| -126K | 12,000 | 9.34 | 0.33 | 0.16 |
| -156K | 15,000 | 10.7 | 0.30 | 0.14 |
| -186K | 18,000 | 14.8 | 0.26 | 0.13 |
| -226K | 22,000 | 18.0 | 0.23 | 0.12 |
| -276K | 27,000 | 22.7 | 0.21 | 0.10 |
| -336K | 33,000 | 25.7 | 0.20 | 0.09 |
| -396K | 39,000 | 29.7 | 0.18 | 0.09 |
| -476K | 47,000 | 33.7 | 0.17 | 0.08 |
| -566K | 56,000 | 38.0 | 0.16 | 0.07 |
| -686K | 68,000 | 52.8 | 0.14 | 0.07 |
| -826K | 82,000 | 67.3 | 0.12 | 0.06 |
| -107K | 100,000 | 76.0 | 0.11 | 0.05 |

OPTIONAL TOLERANCES: J = +/- 5% L = +/- 15%
 The Suffix (Optional Tolerance "J" or "L") should replace the "K", in the dash number.

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