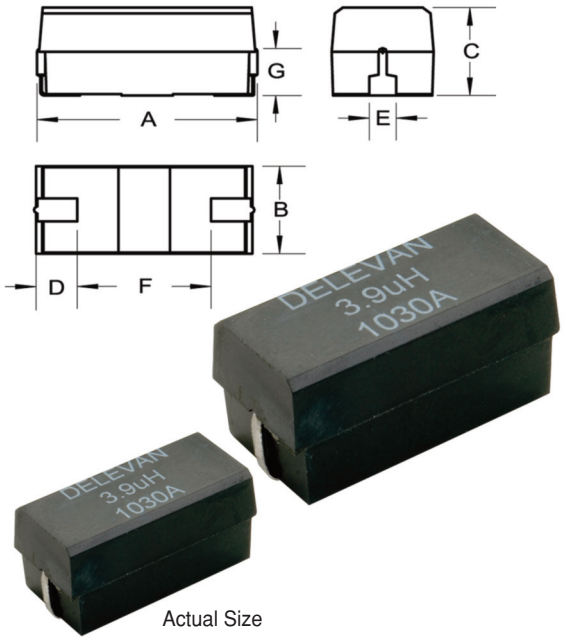
SERIES 5500R 5500

RoHS Compliant

Traditional First Quality

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, INDUCTANCE VALUE and DATE CODE/LOT SYMBOL (YYWWL). Note: An "R" before the date code/lot symbol indicates a RoHS Compliant choke.

DELEVAN
3.9uH
R YYWWL

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*	INDUCTANCE ±10% (µH @ 1.00 kHz)	DC RESISTANCE MAXIMUM (OHMS)	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.

*Complete part # must include series # PLUS the dash #

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