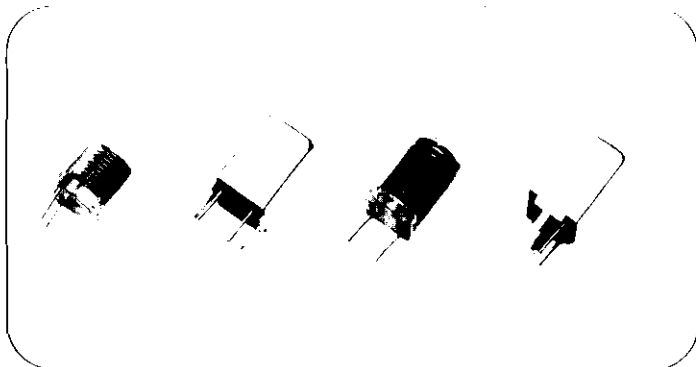


# Standex 7mm Variable Inductors



## Series 760 & 761

- Standex 7mm inductors are a true 7mm square, even when shielded
- More inductance values are available on these series than any other similar 7mm coils
- Inductance values available from less than .059 $\mu$ H to .874 $\mu$ H
- Precision molded in polypropylene plastic for long term electrical and mechanical stability
- Backed by over 40 years of expertise
- Optional nickel plated brass cover provides electrical shielding and additional mounting stability
- Several core materials and lengths available
- Standard inductor samples are available "off the shelf"
- Call for our special 7mm designers sample kit

### UNSHIELDED

BASIC PART NUMBER	SUGGESTED CORE	Inductance $\mu$ H				MINIMUM Q @ 40 MHz
		REF. NO CORE	MINIMUM	NOMINAL	MAXIMUM	
760102A	J2	.064	.066	.071	.076	89
760102B	J2	.074	.077	.084	.092	89
760103A	J2	.085	.088	.100	.113	90
760103B	J2	.095	.098	.113	.128	91
760104A	J2	.111	.115	.136	.158	90
760104B	J2	.123	.127	.152	.177	90
760105A	J2	.137	.141	.173	.206	90
760105B	J2	.148	.153	.189	.225	92
760106A	J2	.162	.167	.214	.257	90
760106B	J2	.175	.181	.228	.276	91
760107A	J2	.190	.196	.253	.311	90
760107B	J2	.203	.209	.271	.333	90
760108A	J2	.220	.226	.294	.363	91
760108B	J2	.231	.238	.312	.386	92
760109A	J2	.247	.256	.333	.410	91
760109B	J2	.260	.271	.354	.437	91
760110A	J2	.278	.290	.375	.460	93
760110B	J2	.292	.303	.395	.487	92
760111A	J4	.305	.325	.484	.644	71
760111B	J4	.325	.355	.517	.680	77
760112A	J4	.339	.370	.539	.708	71
760112B	J4	.358	.390	.565	.740	76
760113A	J4	.369	.417	.600	.782	70
760113B	J4	.383	.458	.634	.810	76
760114A	J4	.394	.473	.657	.841	71
760114B	J4	.408	.500	.687	.874	70
761102A	J2	.062	.064	.069	.074	108
761102B	J2	.069	.071	.079	.086	108
761103A	J2	.078	.080	.092	.104	111
761103B	J2	.086	.088	.102	.116	113
761104A	J2	.099	.104	.122	.140	115
761104B	J2	.106	.110	.132	.153	115
761105A	J2	.117	.122	.147	.172	119
761105B	J2	.126	.131	.160	.189	123
761106A	J2	.139	.145	.178	.211	120
761106B	J2	.149	.152	.188	.225	123
761107A	J2	.159	.165	.205	.245	126
761107B	J2	.168	.174	.215	.257	123
761108A	J4	.180	.187	.265	.346	127
761108B	J4	.189	.197	.280	.361	128
761109A	J4	.202	.212	.300	.395	127
761109B	J4	.211	.220	.320	.414	128

### SHIELDED

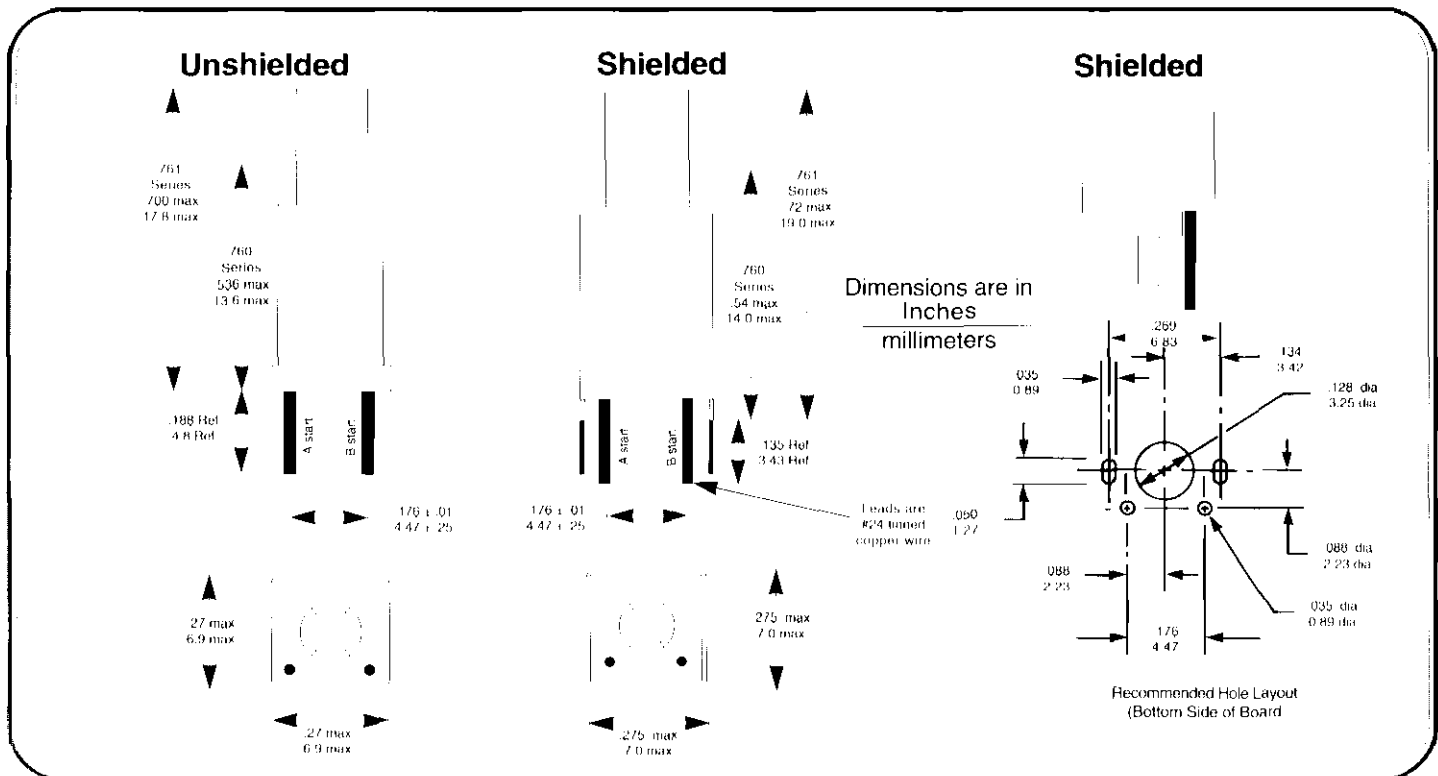
BASIC PART NUMBER	SUGGESTED CORE	Inductance $\mu$ H				MINIMUM Q @ 40 MHz
		REF. NO CORE	MINIMUM	NOMINAL	MAXIMUM	
760202A	J2	.059	.061	.064	.067	74
760202B	J2	.067	.069	.072	.075	72
760203A	J2	.075	.077	.082	.087	67
760203B	J2	.083	.087	.091	.095	66
760204A	J2	.095	.098	.104	.111	64
760204B	J2	.104	.107	.115	.123	63
760205A	J2	.113	.117	.127	.138	64
760205B	J2	.121	.126	.138	.150	64
760206A	J2	.130	.136	.150	.165	64
760206B	J2	.140	.146	.162	.178	63
760207A	J2	.150	.155	.173	.193	63
760207B	J2	.160	.165	.185	.206	63
760208A	J2	.169	.174	.196	.219	64
760208B	J2	.180	.186	.211	.238	62
760209A	J2	.189	.195	.222	.250	63
760209B	J2	.198	.204	.235	.266	64
760210A	J2	.208	.215	.245	.276	64
760210B	J2	.219	.227	.260	.293	64
760211A	J4	.229	.238	.285	.333	61
760211B	J4	.237	.248	.296	.345	61
760212A	J4	.248	.260	.310	.360	61
760212B	J4	.261	.276	.325	.371	61
760213A	J4	.270	.286	.335	.382	61
760213B	J4	.280	.297	.350	.406	60
760214A	J4	.288	.307	.365	.422	58
760214B	J4	.295	.321	.375	.433	54
761202A	J2	.056	.058	.060	.062	75
761202B	J2	.062	.064	.066	.068	73
761203A	J2	.069	.070	.074	.078	75
761203B	J2	.074	.076	.081	.086	75
761204A	J2	.082	.084	.090	.096	73
761204B	J2	.087	.089	.096	.103	75
761205A	J2	.094	.096	.105	.113	74
761205B	J2	.103	.108	.116	.124	73
761206A	J2	.110	.114	.124	.133	75
761206B	J2	.116	.120	.130	.139	72
761207A	J2	.123	.128	.138	.150	74
761207B	J2	.129	.134	.146	.158	73
761208A	J4	.137	.141	.162	.182	72
761208B	J4	.143	.147	.168	.189	70
761209A	J4	.149	.154	.174	.197	66
761209B	J4	.156	.161	.184	.209	69

For mechanical specifications and notes, see the reverse side.

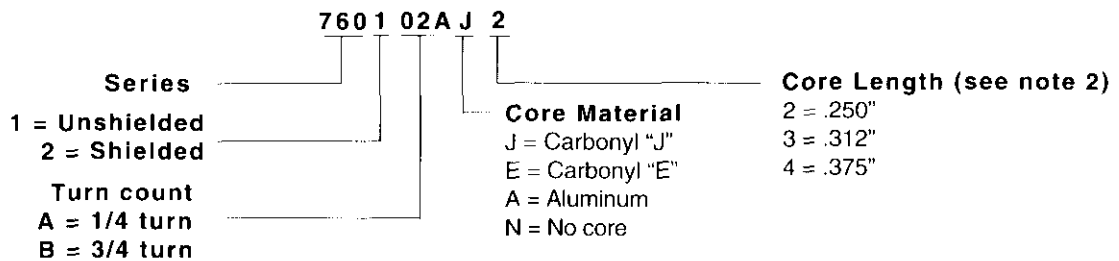
## Standex Electronics

4538 Camberwell Road • Cincinnati, OH 45209  
Phone (513) 871-3777 • Fax (513) 871-3779

||| a Standex company



To order, add the core material and the length to the basic part number. Example part number:



In this example, the 760 series was ordered with no shield can, 2 1/4 turns, and a carbonyl "J" core with a length of .250".

## NOTES

- 1) Minimum inductance is measured with the core halfway out of the coil form.
- 2) Carbonyl E & J material cores are available 1/4", 5/16", or 3/8" long. Aluminum cores are available 1/4" or 5/16" long. The core used for electrical specifications shown for series 760 are made with a 6-32 .250" long, carbonyl "J" core through 10 3/4 turns and a .375" long carbonyl "J" core for 11 1/4 turns and up. The core used for the electrical specifications shown for series 761 are made with a 6-32 .250" long carbonyl "J" core through 7 3/4 turns and a 0.375" long carbonyl "J" core 8 1/4 turns and up. Other core lengths and materials including aluminum are available. Call the factory for details.
- 3) Inductances less than 0.1  $\mu$ H are calculated from readings taken at 40 MHz. Inductances greater than or equal to 0.1  $\mu$ H are taken at the recommended "Q" meter frequency. All inductances include Standex test fixture number 4270G. Fixture inductance is approximately .035 $\mu$ H.
- 4) These coils may be tuned with Standex tuning wrench 160 or 996. Call the factory for details.
- 5) The coil may be molded in various positions. Call the factory for details.
- 6) The coil may be installed in the shield can in alternate positions. Call the factory for details.
- 7) Series 760 is "closewound." Series 761 is "spacewound."
- 8) Series 760 coils are 44 TPI. The O.D. of the winding is .208". Distance from the mounting surface to the first turn is .06".
- 9) Series 761 coils are 28 TPI. The O.D. of the winding is .208". Distance from the mounting surface to the first turn is .08".
- 10) Coil form material is polypropylene.
- 11) Standex catalog specifications are subject to change without notice.
- 12) Electrical specifications are shown on the reverse side of this page.

Custom coils, inductors, and transformers are standard at Standex Electronics. Please call or write with any questions or requirement you may have.

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