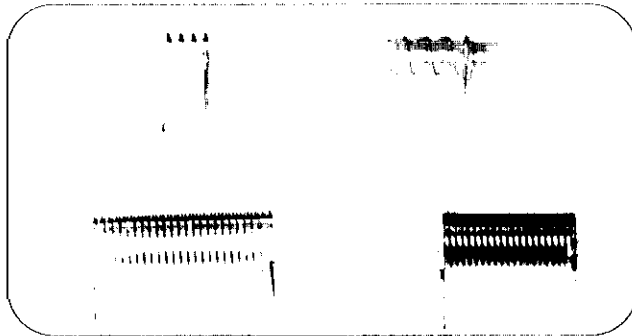


Standex

Horizontal Variable Inductors



Series 155, 618, 460 & 607 to 620

Features:

- Low profile design is excellent where there is height restrictions or side tuning is preferred
- Several series may be economically trimmed to a smaller length
- Economically precision molded in polypropylene plastic for excellent long term electrical & mechanical stability
- Inductance values available from less than .023 μ H to 3.45 μ H
- Several core materials and lengths available
- Standard inductor samples are available "off the shelf"
- Backed by over 40 years of expertise
- Call for our special 618 series designers kit

BASIC PART NUMBER	SUG- GESTED CORE	INDUCTANCE μ H			Q			TEST FREQ. MHz	Dimension "C"
		NO CORE	MINIMUM	MAXIMUM	NO CORE	AT MIN. L.	AT MAX. L.		
61801	J4	.023	.024	.028	145	128	77	150	.36
61802	J4	.031	.032	.042	159	142	70	150	.36
61803	J4	.045	.047	.075	168	153	54	150	.36
61804	J4	.058	.061	.101	176	158	51	150	.36
61805	J4	.074	.080	.137	168	145	68	100	.36
61806	J4	.095	.099	.184	180	162	67	100	.36
61807	J4	.119	.125	.243	177	159	64	100	.36
61808	J4	.146	.154	.298	148	133	110	50	.36
61809	J4	.182	.191	.381	154	139	109	50	.36
61810	J4	.211	.221	.443	150	135	101	50	.36
61811	J4	.238	.251	.501	152	135	97	50	.36
61812	J4	.278	.293	.595	150	135	92	50	.36
61813	J4	.325	.342	.698	155	141	88	50	.36
61814	J4	.357	.376	.760	155	140	85	50	.36
61815	J4	.415	.437	.903	139	125	67	50	.36
61816	J4	.463	.487	.991	130	118	58	50	.36

15501	J4	.030	.030	.046	124	128	136	40	.093
15502	J4	.050	.050	.084	118	118	142	25	.156
15503	J4	.072	.050	.084	118	122	152	25	.218
15504	J4	.095	.095	.175	131	130	160	25	.281
15508	J4	.196	.214	.336	146	149	160	25	.531

BASIC PART NUMBER	SUG- GESTED CORE	INDUCTANCE μ H		Q Minimum	TEST FREQ. MHz	Dimension "C"
		MINIMUM $\pm 5\%$	MAXIMUM $\pm 10\%$			
61903	J4	.138	.200	143	40	.11
61004	J4	.171	.274	157	40	.14
62006	J4	.250	.400	135	40	.20
60911	J4	.478	.905	165	40	.36
60817	J4	.615	1.110	171	40	.55
60720	J4	.900	1.475	183	40	.64

46024	E6	1.52	3.45	95-125	7.9	.875
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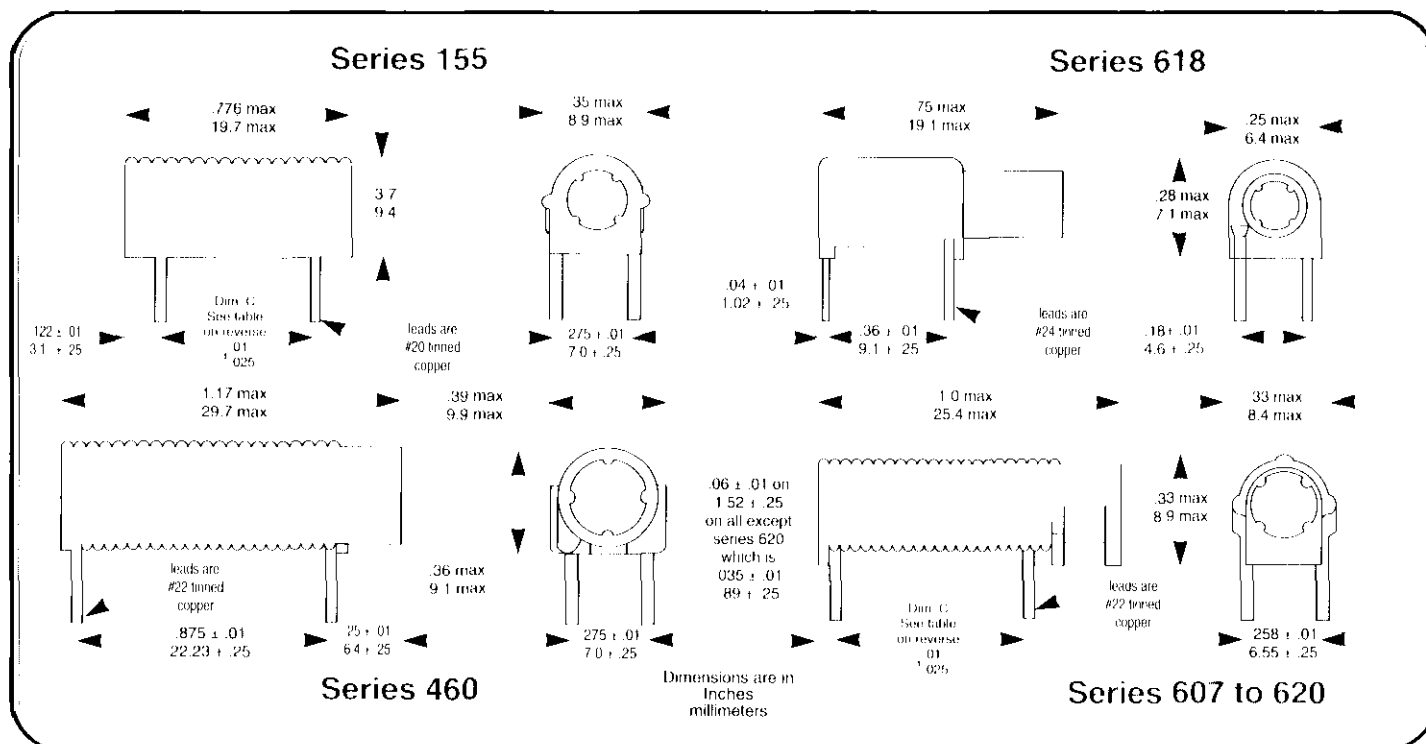
For mechanical specifications and notes, see reverse side.

Standex Electronics

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

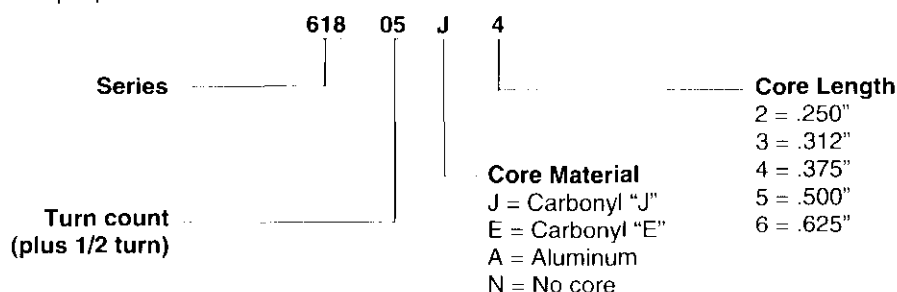


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To order, add the core material and the length desired to the basic part number.

Example part number:



In this example, the 618 series was ordered with 5 1/2 turns, and a carbonyl "J" core with a length of .375"

Core Availability

Series	Length	Material		
		J	E	A
618	2 = .250	x	x	x
	3 = .312	x	x	x
	4 = .375	x	x	
609 to 620	2 = .250	x	x	
	3 = .312	x	x	x
ex. 155	4 = .375	x	x	
and 618	5 = .500	x	x	
460	2 = .250			x
	4 = .375	x	x	
	5 = .500	x	x	
	6 = .625	x	x	

NOTES:

- 1) Minimum inductance is measured with the core halfway out of the coil form.
- 2) Electrical measurements shown were made with the material and length of core as noted on the reverse. Outside diameter and thread of the core used in series 618 is 6-32. Cores used in series 155, 607, 608, 609, 610, 619 & 620 are 10-32. Core used in series 460 is 1/4-28. Other materials and lengths available. See table above or call the factory for details.
- 3) Winding O.D. of series 618 coils is .211". Pitch is determined by the turn count. Winding O.D. of series 155 coils is .300". Pitch is 16 TPI. Winding O. D. of series 607, 608, 609, 610, 619 & 620 coils is .285". Pitch is 32 TPI. Winding O.D. of series 460 is .348". Pitch is 28 TPI.
- 4) Series 618 coils may be tuned with Standex tuning wrench 160 or 996. Series 155, 607, 608, 609, 610, 619 & 620 coils may be tuned with tuning wrench numbers 160, 55, 95, 302 or 764. Series 460 coils may be tuned with tuning wrench numbers 160, 950 or 764.
- 5) Coil form material is polypropylene. Higher temperature plastic is available on some series. Call the factory for details.
- 6) Standex catalog specifications are subject to change without notice.
- 7) 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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