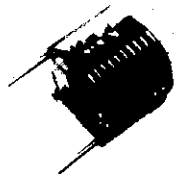


Standex Variable Inductors

Series 478

Features:

- Precision molded in polypropylene plastic for excellent long term electrical and mechanical stability
- Inductance values available from less than .038 μ H to 1.94 μ H
- Several core materials and lengths available
- Standard inductor samples are available "off the shelf"
- Backed by over 40 years of expertise



BASIC PART NUMBER	SUG- GESTED CORE	INDUCTANCE μ H		Q $\pm$ 10%		TEST FREQ. MHz
		MINIMUM $\pm$ 5%	MAXIMUM $\pm$ 10%	AT MIN. L.	AT MAX. L.	
47801	J4	.038	.048	102	114	40
47802	J4	.062	.087	126	138	40
47803	J4	.092	.143	139	151	40
47804	J4	.125	.208	149	156	40
47805	J4	.160	.282	129	152	25
47806	J4	.203	.37	135	153	25
47807	J4	.243	.46	140	155	25
47808	J4	.284	.54	143	151	25
47809	J4	.327	.63	144	145	25
47810	J4	.370	.72	148	142	25
47811	J4	.420	.80	152	138	25
47812	J4	.463	.88	153	132	25
47813	J4	.50	.95	156	127	25
47814	J4	.55	1.02	157	123	25
47815	J4	.61	1.10	161	121	25
47816	J4	.65	1.14	158	79	*
47817	J4	.68	1.19	163	80	*
47818	J4	.74	1.26	164	82	*
47819	J4	.78	1.31	164	83	*
47820	J4	.85	1.39	166	83	*
47821	J4	.88	1.44	97	85	7.9
47322	J4	.93	1.49	98	85	7.9
47823	J4	.99	1.55	102	86	7.9

47813	J5	.50	1.105	156	113	*
47814	J5	.55	1.19	157	107	*
47815	J5	.61	1.30	161	101	*
47816	J5	.65	1.38	158	95	*
47817	J5	.69	1.45	163	92	*
47818	J5	.75	1.53	164	91	*
47819	J5	.78	1.60	165	89	*
47820	J5	.86	1.68	170	88	*
47821	J5	.92	1.74	103	88	7.9
47822	J5	.97	1.80	104	88	7.9
47823	J5	1.065	1.86	106	88	7.9

BASIC PART NUMBER	SUG- GESTED CORE	INDUCTANCE μ H		Q $\pm$ 10%		TEST FREQ. MHz
		MINIMUM $\pm$ 5%	MAXIMUM $\pm$ 10%	AT MIN. L.	AT MAX. L.	
47801	E4	.038	.05	102	104	40
47802	E4	.062	.094	126	121	40
47803	E4	.092	.155	139	125	40
47804	E4	.125	.230	140	122	25
47805	E4	.160	.314	129	143	25
47806	E4	.203	.41	135	143	25
47807	E4	.243	.51	140	142	25
47808	E4	.284	.60	143	137	25
47809	E4	.327	.70	144	129	25
47810	E4	.370	.80	148	125	25
47811	E4	.420	.89	152	120	25
47812	E4	.463	.99	153	113	25
47813	E4	.50	1.05	156	108	25
47814	E4	.55	1.14	157	105	25
47815	E4	.61	1.20	161	103	25
47816	E4	.65	1.25	158	73	*
47817	E4	.68	1.31	163	74	*
47818	E4	.74	1.34	164	76	*
47819	E4	.78	1.38	164	76	*
47820	E4	.85	1.44	166	77	*
47821	E4	.88	1.51	97	77	7.9
47322	E4	.93	1.56	98	79	7.9
47823	E4	1.00	1.62	102	79	7.9

47813	E5	.50	1.15	156	113	*
47814	E5	.55	1.24	157	106	*
47815	E5	.61	1.35	161	100	*
47816	E5	.65	1.42	158	92	*
47817	E5	.69	1.51	163	90	*
47818	E5	.75	1.60	164	89	*
47819	E5	.78	1.66	166	87	*
47820	E5	.86	1.75	170	85	*
47821	E5	.92	1.81	103	85	7.9
47822	E5	.97	1.87	104	85	7.9
47823	E5	1.065	1.94	106	85	7.9

*Q at minimum inductance is measured at 25 MHz. Q at maximum inductance is measured at 7.9 MHz.

For mechanical specifications and notes, see reverse side.

Standex Electronics



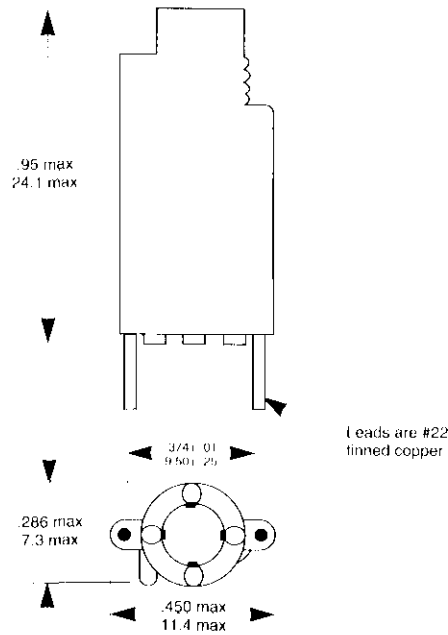
a Standex company

4538 Camberwell Road • Cincinnati, OH 45209

Phone (513) 871-3777 • Fax (513) 871-3779

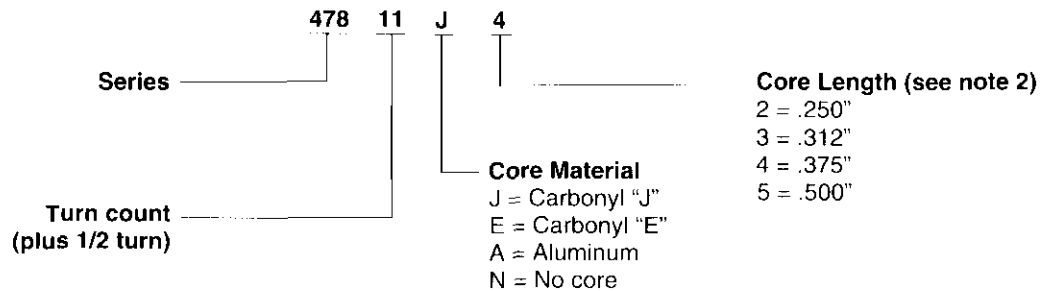
Series 478

Dimensions are in
Inches
millimeters



Leads are #22
tinned copper

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



In this example, the 478 series was ordered with 11 1/2 turns, and a carbonyl "J" core with a length of .375"

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", 3/8" or 1/2" long. Aluminum cores are available 5/16" long. Electrical measurements shown were made with a 10-32, 3/8" or 1/2" long carbonyl "E" or "J" core as noted. Other core lengths and materials are available. Call the factory for details.
- 3) The shorter "shoulder" on series 478 indicates the start lead.
- 4) Series 478 is "closewound".
- 5) Coil form material is polypropylene.
- 6) These coils may be tuned with Standex tuning wrenches 160, 55, 95, 302 or 764.
- 7) Standex catalog specifications are subject to change without notice.
- 8) Electrical specifications are 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.

Standex Electronics

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



a Standex company