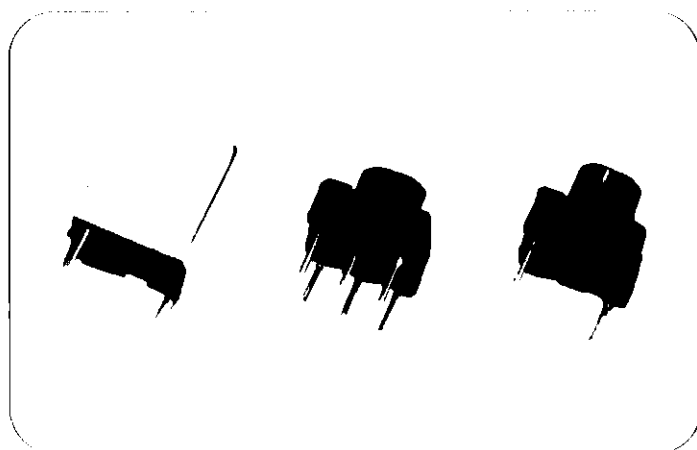


# 10 mm Variable Inductors



## Series 950

- More thermally stable than competing coils with similar Q and tuning range characteristics.
- Available shielded or unshielded with two to six pins
- Inductance available from .11 $\mu$ H to nearly 10 $\mu$ H
- Standard inductor samples are available "off the shelf"
- Backed by over 40 years of expertise

### Unshielded

BASIC PART NUMBER*	SUGGESTED CORE	INDUCTANCE $\mu$ H		Q (Minimum)		TEST FREQ. MHz
		MINIMUM	MAXIMUM	AT MIN. L	AT MAX. L	
950102X	E2	.11	.12	46	52	25
950104X	E2	.24	.28	52	65	25
950106X	E2	.43	.54	57	72	25
950108X	E2	.66	.84	59	75	25
950110X	E2	.92	1.16	65	56	**
950112X	E2	1.24	1.67	43	59	7.9
950114X	E2	1.55	2.16	46	62	7.9
950116X	E2	1.88	2.70	49	65	7.9
950118X	E2	1.23	3.33	50	66	7.9
950120X	E2	2.60	4.05	52	67	7.9
950122X	E2	3.02	4.68	55	68	7.9
950124X	E2	3.41	5.40	58	68	7.9
950126X	E2	3.85	6.12	59	68	7.9
950128X	E2	4.29	6.84	60	68	7.9
950130X	E2	4.73	7.65	61	68	7.9
950132X	E2	5.17	8.01	63	68	7.9
950134X	E2	5.61	8.73	65	68	7.9
950136X	E2	6.05	9.45	67	68	7.9

### Shielded

BASIC PART NUMBER*	SUGGESTED CORE	INDUCTANCE $\mu$ H		Q (Minimum)		TEST FREQ. MHz
		MINIMUM	MAXIMUM	AT MIN. L	AT MAX. L	
950202X	E2	.11	.12	42	47	25
950204X	E2	.23	.25	49	56	25
950206X	E2	.40	.46	52	59	25
950208X	E2	.60	.72	55	62	25
950210X	E2	.84	.96	58	62	25
950212X	E2	1.12	1.37	38	44	7.9
950214X	E2	1.40	1.75	41	45	7.9
950216X	E2	1.69	2.16	42	47	7.9
950218X	E2	1.99	2.62	43	47	7.9
950220X	E2	2.31	3.10	45	48	7.9
950222X	E2	2.62	3.60	46	49	7.9
950224X	E2	2.97	4.14	49	49	7.9
950226X	E2	3.27	4.59	50	49	7.9
950228X	E2	3.63	5.13	50	49	7.9
950230X	E2	4.01	5.67	50	48	7.9
950232X	E2	4.29	6.12	50	47	7.9
950234X	E2	4.62	6.57	50	46	7.9
950236X	E2	5.06	6.93	50	44	7.9

\*"X" must be replaced with the number of pins required. See reverse side for part number breakdown & options available.

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

For mechanical specifications and notes, see reverse side.

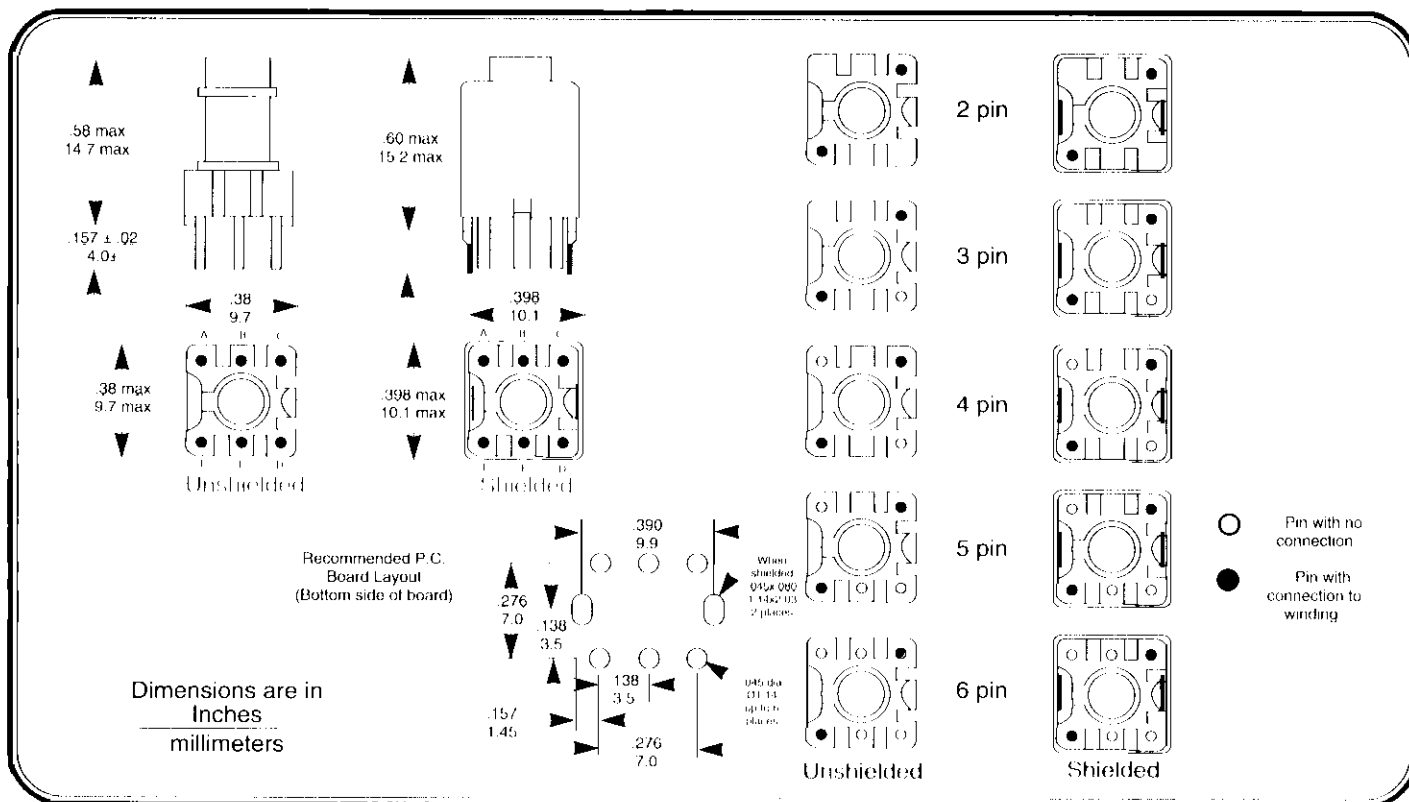
## Standex Electronics



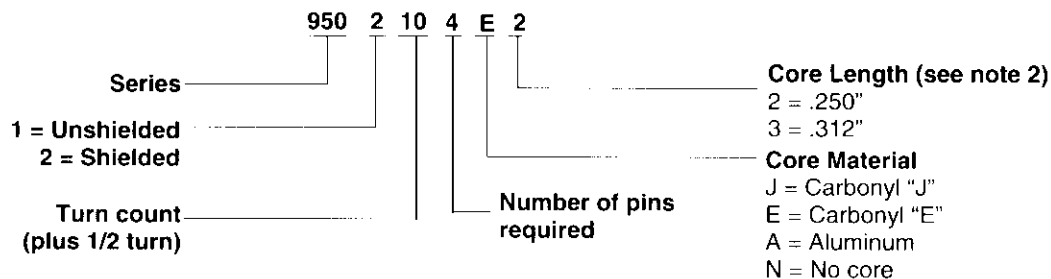
a Standex company

4538 Camberwell Road • Cincinnati, OH 45209

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



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



In this example, the 950 series was ordered with a shield can, 10 1/2 turns, a 4 pin base, and a carbonyl "E" 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. Cores used for specifications shown were a 10-32, .250" long carbonyl "E" material as noted. Other core materials and lengths are available. Call the factory for details.
- 3) Inductance and Q shown were measured on an H.P. 4342A "Q" meter with the leads directly connected to the Q meter terminals. The start lead is connected to the low side and the shield can is grounded. Test frequency for inductances less than 1  $\mu$ H is 25 MHz. Test frequency for inductances more than 1  $\mu$ H is 7.9 MHz.
- 4) Start lead is connected to pin C. Finish is connected to pin F. Connections, taps and additional windings may be configured in almost any combination desired on a custom basis. Call the factory for details.
- 5) These coils may be tuned by means of Standex tuning wrenches #160, 55, 95, 302 or 764.
- 6) Shield can may be installed in alternate positions. Call the factory for details.
- 7) Distance from mounting surface to first turn is .22". I.D. of winding is .218". Wire gauge for the winding of catalog parts is #36 AWG. Other wire sizes are available. Call the factory for details.
- 8) Bobbin portion of coil form is polypropylene. Base material is dialphylate. Bobbin portion of coil form is available in higher temperature plastic. Call the factory for details.
- 9) Standex catalog specifications are subject to change without notice.

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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