



FEATURES

- Radial Format
- -40°C to 85°C Operating Temp
- Up to 13A I_{DC}
- 10μH to 47mH
- Low DC Resistance
- Fully Tinned Leads
- PCB Mounting Hole
- Low Temperature Dependence
- MIL-I-23053/5 Class III Slewing
- Custom Parts Available

DESCRIPTION

The 1400 Series is suitable for many power supply and other general purpose filtering applications. The use of a non-magnetic screw will ensure mechanical stability.

SELECTION GUIDE

Order Code	Inductance (±10% at 1kHz)	RDC (max.)	IDC (cont.)	Temp rise (at IDC)	Nominal Q at f kHz		Nominal Self Resonant Frequency	Mechanical Dimensions					Footprint	
	μH	W	A	°C	Q	f	MHz	a	b	c	d	Øe	f	Øg
14 103 13	10	0.007	13	20	54	50	20.7	27.0	24.4	14.0	1.30	4.5*	23.9	2.6
14 153 12	15	0.009	12	25	42	50	12.7	27.0	24.4	14.0	1.30	4.5*	23.9	2.6
14 223 11	22	0.011	11	27	64	100	9.3	27.0	24.4	14.0	1.30	4.5*	23.9	2.6
14 333 93	33	0.015	9.3	25	27	50	9.1	27.0	24.4	14.0	1.30	4.5*	23.9	2.6
14 473 85	47	0.021	8.5	26	33	100	6.7	26.8	24.4	14.0	1.20	4.5*	23.8	2.4
14 683 62	68	0.032	6.2	27	32	100	5.3	26.5	24.4	14.0	1.08	4.5*	23.7	2.1
14 683 73	68	0.022	7.3	27	45	100	5.3	27.0	24.4	18.5	1.30	4.5*	23.9	2.6
14 104 54	100	0.042	5.4	27	24	100	4.6	26.4	24.4	14.0	1.02	4.5*	23.6	2.0
14 104 78	100	0.040	7.8	28	34	50	3.3	32.4	29.8	21.8	1.30	5.1	29.3	2.6
14 154 40	150	0.069	4.0	26	24	50	3.4	26.2	24.4	14.0	0.90	4.5*	23.5	1.8
14 154 49	150	0.051	4.9	27	34	50	2.9	26.4	24.4	18.5	1.02	4.5*	23.6	2.0
14 224 35	220	0.096	3.5	29	22	50	2.8	26.1	24.4	14.0	0.85	4.5*	23.5	1.7
14 224 41	220	0.073	4.1	25	33	100	2.3	26.3	24.4	18.5	0.97	4.5*	23.6	1.9
14 224 55	220	0.062	5.5	27	30	50	2.2	32.1	29.8	21.8	1.14	5.1	29.1	2.2
14 304 30	300	0.140	3.0	23	26	50	2.6	25.9	24.4	14.0	0.75	4.5*	23.4	1.5
14 304 33	300	0.100	3.5	25	37	50	2.2	26.2	24.4	18.5	0.90	4.5*	23.5	1.8
14 334 28	330	0.150	2.8	24	22	50	2.5	25.9	24.4	14.0	0.76	4.5*	23.4	1.5
14 334 45	330	0.091	4.5	29	25	50	1.6	31.8	29.8	21.8	1.02	5.1	29.0	2.0
14 474 23	470	0.222	2.3	28	34	50	2.0	25.7	24.4	14.0	0.67	4.5*	23.3	1.3
14 474 40	470	0.125	4.0	29	24	50	1.4	31.7	29.8	21.8	0.97	5.1	29.0	1.9
14 684 22	680	0.226	2.2	28	28	50	1.3	25.9	24.4	18.5	0.75	4.5*	23.4	1.5
14 105 16	1.0mH	0.419	1.6	24	30	50	1.4	25.6	24.4	14.0	0.60	4.5*	23.2	1.2
14 105 24	1.0mH	0.277	2.4	28	33	50	1.0	31.4	29.8	21.8	0.79	5.1	28.8	1.5
14 155 13	1.5mH	0.630	1.3	27	34	50	1.0	25.5	24.4	14.0	0.54	4.5*	23.1	1.0
14 225 12	2.2mH	0.649	1.2	25	33	50	0.7	25.6	24.4	18.5	0.60	4.5*	23.2	1.2
14 335 12	3.3mH	0.861	1.2	26	20	50	0.5	31.0	29.8	21.8	0.60	5.1	28.6	1.2
14 685 05	6.8mH	2.810	0.5	24	50	50	0.5	25.2	24.4	14.0	0.39	4.5*	23.0	0.7
14 106 06	10mH	2.294	0.6	25	48	50	0.2	30.9	29.8	21.8	0.54	5.1	28.5	1.0
14 156 04	15mH	4.912	0.4	25	61	10	0.2	25.1	24.4	18.5	0.34	4.5*	22.9	0.6

* The drilled hole for these devices have a 6.10Ø x 2.40 countersink

TYPICAL CORE CHARACTERISTICS

Inductance Temperature Coefficient	Resistance Temperature Coefficient	Curie Temperature T _C	Saturation Flux B _{SAT}
215ppm	4100ppm	130°C	240mT

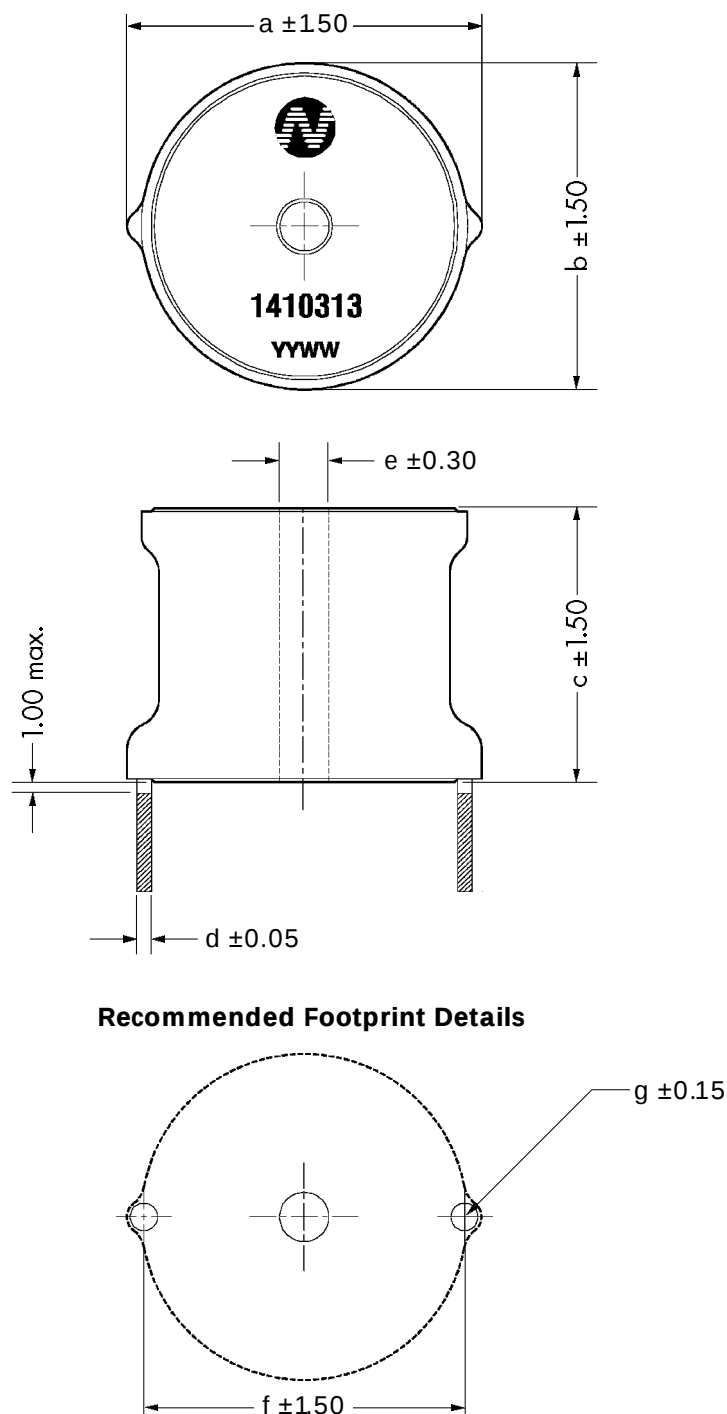
ABSOLUTE MAXIMUM RATINGS

Operating free air temperature range	-40°C to 85°C
Storage temperature range	-55°C to 125°C

1400 SERIES

Bobbin Type Inductors

MECHANICAL DIMENSIONS



All dimensions in mm

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