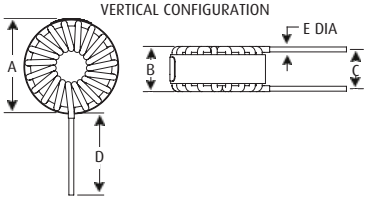
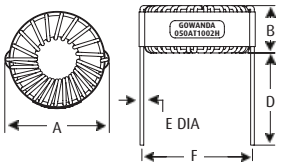
HT SERIES

Horizontal & Vertical Mount Open Construction
Toroidal Inductor

VERTICAL CONFIGURATION



HORIZONTAL CONFIGURATION



PART NUMBER	L µH [1]	DCR mΩ MAX	SRF MHz TYP	CURRENT RATING A DC	INC I A DC ΔL 10%	INC I A DC ΔL 20%	E DIM NOM
050HT3900V	0.39	2.0	>40	20.5	26.6	45.5	0.053 (1.346)
050HT8200V	0.82	2.7	>40	17.8	20.9	31.4	0.053 (1.346)
050HT1201V	1.2	3.0	>40	17.4	14.8	26	0.053 (1.346)
050HT1501V	1.5	3.6	>40	15.3	13.3	23.2	0.053 (1.346)
050HT2701V	2.7	5.0	>40	13.0	12.0	21	0.045 (1.143)
050HT4701V	4.7	8.6	>40	9.8	9	15	0.042 (1.067)
050HT6801V	6.8	15	>40	8.0	7	12	0.036 (0.914)
050HT8201V	8.2	18	>40	6.9	6.6	9.9	0.034 (0.864)
050HT1002V	10	19	38	6.6	6.0	9.5	0.034 (0.864)
050HT1202V	12	27	34.5	5.5	5.5	8.5	0.031 (0.787)
050HT1502V	15	30	20	5.2	4.9	7.3	0.031 (0.787)
050HT2202V	22	36	15	4.4	4	6.1	0.031 (0.787)
050HT3202V	32	45	8	3.9	3	6.0	0.031 (0.787)
050HT3902V	39	73	7	3.1	2.9	4.6	0.025 (0.635)
050HT4702V	47	80	6	2.9	2.8	4.2	0.025 (0.635)
050HT6802V	68	122	5.3	2.4	2.3	3.4	0.022 (0.559)
050HT8202V	82	130	4.5	2.3	2.1	3.3	0.022 (0.559)
050HT1003V	100	145	3.5	2.2	1.9	3.1	0.022 (0.559)
080HT4700_	0.47	2.6	235	24.9	55.9	91.4	0.054 (1.371)
080HT1201_	1.2	3.9	134	20.3	35	57.2	0.054 (1.371)
080HT1801_	1.8	4.7	100	18.6	28.6	46.7	0.054 (1.371)
080HT2201_	2.2	5.2	75	17.6	25.8	42.3	0.054 (1.371)
080HT3901_	3.9	6.5	50	15.8	19.4	31.7	0.054 (1.371)
080HT4701_	4.7	7.8	45	14.4	17.7	28.9	0.054 (1.371)
080HT5601_	5.6	8.3	41	13.9	16.2	26.5	0.054 (1.371)
080HT6801_	6.8	9.1	36.5	13.3	14.7	24	0.054 (1.371)
080HT8201_	8.2	10.4	36	12.5	13.4	21.9	0.054 (1.371)
080HT1002_	10	11.7	30	11.7	12.1	19.8	0.054 (1.371)
080HT1202_	12	14.3	27	10.6	11.1	18.1	0.048 (1.219)
080HT1502_	15	16.9	25	9.8	9.9	16.2	0.048 (1.219)
080HT2202_	22	23.4	19	8.3	8.2	13.4	0.043 (1.092)
080HT2702_	27	26	15	7.9	7.4	12.1	0.043 (1.092)
080HT3302_	33	29.9	11	7.3	6.7	10.9	0.043 (1.092)
080HT3902_	39	33.8	6	6.9	6.1	10	0.043 (1.092)
080HT4702_	47	35.1	5.5	6.8	5.6	9.1	0.043 (1.092)
080HT5602_	56	39	5	6.4	5.1	8.4	0.043 (1.092)
080HT6802_	68	44.2	4	6.0	4.6	7.6	0.043 (1.092)
080HT8202_	82	58.5	3.5	5.3	4.2	6.9	0.039 (0.990)
080HT1003_	100	67.6	3.3	4.9	3.8	6.3	0.035 (0.889)
080HT1203_	120	76.7	3.0	4.6	3.5	5.7	0.035 (0.889)
080HT1503_	150	92.3	2.6	4.2	3.1	5.1	0.035 (0.889)
080HT1803_	180	107.9	2.1	3.9	2.9	4.7	0.035 (0.889)
080HT2203_	220	127.7	1.6	3.6	2.7	4.4	0.035 (0.889)
080HT2703_	270	150.8	1.4	3.3	2.3	3.8	0.031 (0.787)
080HT3303_	330	178.1	1.2	3.0	2.1	3.5	0.031 (0.787)
080HT3903_	390	207	1.1	2.8	2.0	3.3	0.031 (0.787)
080HT4703_	470	280.8	1.0	2.4	1.8	3.0	0.028 (0.711)
106HT1201_	1.2	2	>40	33.6	54.7	89.5	0.072 (1.83)
106HT1801_	1.8	2.2	>40	30.3	44.7	73.1	0.072 (1.83)
106HT2701_	2.7	2.8	>40	26.6	36.5	59.7	0.072 (1.83)
106HT3901_	3.9	3.2	>40	25	30.3	49.7	0.072 (1.83)
106HT4701_	4.7	3.6	>40	24	27.6	45.2	0.072 (1.83)
106HT5601_	5.6	4	>40	22.9	25.3	41.4	0.072 (1.83)
106HT6801_	6.8	4.4	>40	21.8	23.0	37.6	0.072 (1.83)
106HT8201_	8.2	4.8	35	20.8	20.9	34.2	0.072 (1.83)
106HT1002_	10	5.7	31.5	19.1	18.9	31.0	0.072 (1.83)
106HT1202_	12	7.2	30	17	17.3	28.3	0.064 (1.63)
106HT1502_	15	8	25	16.1	15.5	25.3	0.064 (1.63)
106HT1802_	18	8.5	21	15.3	14.1	23.1	0.064 (1.63)
106HT2202_	22	9.7	16.7	14.4	12.8	20.9	0.064 (1.63)
106HT2702_	27	13	14.7	12.2	11.5	18.9	0.057 (1.45)
106HT3302_	33	18.5	14.2	10.4	10.4	17.1	0.050 (1.29)
106HT3902_	39	20	11	10	9.6	15.7	0.050 (1.29)
106HT4702_	47	22	8	9.6	8.7	14.3	0.050 (1.29)
106HT5602_	56	24	5	9	8.0	13.1	0.050 (1.29)
106HT6802_	68	34	5	7.7	7.3	11.9	0.045 (1.15)
106HT8202_	82	37	4	7.4	6.6	10.8	0.045 (1.15)
106HT1003_	100	42	3.1	6.9	6.0	9.8	0.045 (1.15)
106HT1203_	120	44	2.7	6.7	5.5	9.0	0.045 (1.15)
106HT1503_	150	52	2.3	6.2	4.9	8.0	0.045 (1.15)
106HT1803_	180	70	2	5.3	4.5	7.3	0.040 (1.02)

PART NUMBER	L µH [1]	DCR Ω MAX	SRF MHz MIN	CURRENT RATING A DC	INC I A DC ΔL 10%	INC I A DC ΔL 20%	E DIM NOM
106HT2203_	220	78	1.8	5.1	4.0	6.6	0.040 (1.02)
106HT2703_	270	105	1.7	4.3	3.6	6.0	0.036 (0.914)
106HT3303_	330	120	1.4	4.1	3.3	5.4	0.036 (0.914)
106HT3903_	390	130	1.1	3.9	3.0	5.0	0.036 (0.914)
106HT4703_	470	140	1.0	3.8	2.8	4.5	0.036 (0.914)
106HT5603_	560	155	0.87	3.6	2.5	4.1	0.036 (0.914)
106HT6803_	680	215	0.70	3.1	2.3	3.8	0.032 (0.813)
106HT8203_	820	300	0.60	2.6	2.1	3.4	0.0285 (0.724)
106HT1004_	1000	330	0.53	2.5	1.9	3.1	0.0285 (0.724)

[1] Inductance for 050HT Series is measured at 10 kHz; Inductance for 080HT and 106HT Series is measured at 1 kHz

DIMENSIONS

SERIES	A DIM MAX	B DIM MAX	C DIM NOM	D DIM ±0.093 (2.367)	F DIM NOM
050HTV	0.660 (16.76)	0.360 (9.14)	0.280 (7.112)	0.500 (12.70)	-
080HTH	1.00 (25.4)	0.520 (13.21)	0.440 (11.18)	0.750 (19.05)	0.920 (23.37)
080HTV	1.00 (25.4)	0.520 (13.21)	-	0.750 (19.05)	-
106HTH	1.34 (34.0)	0.700 (17.78)	0.580 (14.73)	0.750 (19.05)	1.18 (30.0)
106HTV	1.34 (34.0)	0.700 (17.78)	-	0.750 (19.05)	-

NOTES

- **Operating Temperature Range:** -55°C to +200°C
- **Current Rating** is based on a 50°C temperature rise at an ambient temperature of 150°C
- **Incremental Current** is the approximate value that will cause a percentage drop in inductance as indicated in the table
- **Weight Max:** 6 grams (050HT Series), 40 grams (080HT Series), 50 grams (106HT Series)
- **Marking:** GOWANDA; Part Number (see diagram above)
- Excellent Electromagnetic Shielding
- Specially designed for high temperature applications
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

050HT 3900 V LF

GEC Series
Inductance: 3 signif. digits & mult.
ex: 3900 = 0.39µH, 1201 = 1.2µH, 1002 = 10µH, 1003 = 100µH
Mounting Configuration: V = Vertical, H = Horizontal
Tolerance: All part numbers provide 10% tolerance on inductance
*Optional tolerances are available; contact factory
Termination: LF = RoHS, No Suffix = SnPB (Standard)

PACKAGING SPECS

Bulk Only

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Gowanda, New York 14070, USA

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Made in the U.S.A.

REV: ISSUE
DATE: 12162020