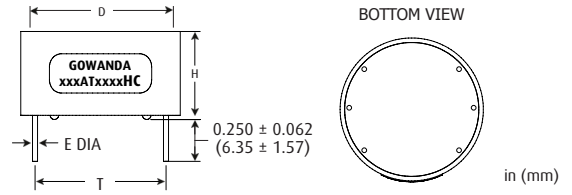


ATHC SERIES



Horizontal Encapsulated Toroidal Power Choke



PART NUMBER	L μ H @ 1 kHz	DCR Ω MAX	SRF MHz MIN	CURRENT RATING A DC	INC I A DC Δ L 10%	INC I A DC Δ L 20%	DIMENSIONS			
							D DIM NOM	H DIM NOM	T DIM NOM	E DIM NOM
050AT1002HC	10	0.010	20	7.36	6.0	8.7	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.036 (0.91)
050AT2502HC	25	0.020	6	5.20	3.6	5.3	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.032 (0.81)
050AT5002HC	50	0.035	3.5	3.93	2.0	3.1	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.028 (0.71)
050AT7502HC	75	0.045	2.5	3.47	1.6	2.5	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.025 (0.64)
050AT1003HC	100	0.055	2.0	3.14	1.5	2.2	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.025 (0.64)
050AT1503HC	150	0.100	1.0	2.33	1.2	1.8	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.020 (0.51)
050AT2003HC	200	0.140	0.70	1.97	1.0	1.6	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.018 (0.46)
050AT2503HC	250	0.160	0.50	1.84	0.9	1.4	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.018 (0.46)
050AT3303HC	330	0.190	0.30	1.69	0.8	1.2	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.018 (0.46)
121AT1002HC	10	0.010	10	8.27	9.0	14	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.040 (1.02)
121AT2502HC	25	0.017	5	6.34	7.0	10.5	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.040 (1.02)
121AT5002HC	50	0.030	2.5	4.77	3.9	6.0	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.036 (0.91)
121AT7502HC	75	0.045	2.0	3.90	3.9	5.8	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.032 (0.81)
121AT1003HC	100	0.065	1.5	3.24	3.4	5.2	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.028 (0.71)
121AT1503HC	150	0.095	1.0	2.68	3.3	4.8	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.025 (0.64)
121AT2503HC	250	0.160	0.90	2.07	2.2	3.2	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.023 (0.58)
059AT1002HC	10	0.008	10	14.50	15	20	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.051 (1.30)
059AT2502HC	25	0.011	5	9.80	11	16	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.051 (1.30)
059AT5002HC	50	0.022	3	6.90	8.3	12	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.045 (1.14)
059AT7502HC	75	0.030	2	5.90	6.7	9.1	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.040 (1.02)
059AT1003HC	100	0.044	1.5	4.90	6.5	8.2	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.036 (0.91)
059AT1503HC	150	0.052	1.0	4.50	4.2	6.0	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.036 (0.91)
059AT2503HC	250	0.088	0.80	3.50	4.0	5.6	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.032 (0.81)
059AT5003HC	500	0.160	0.60	2.60	2.7	3.8	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.028 (0.71)
059AT7503HC	750	0.240	0.40	2.10	1.8	2.7	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.025 (0.64)
894AT2502HC	25	0.012	5	12.80	13.5	20	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894AT5002HC	50	0.016	2.5	9.90	10.8	15.2	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894AT7502HC	75	0.023	2.0	8.00	8.0	12	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894AT1003HC	100	0.023	1.5	8.00	7.1	10.6	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894AT1503HC	150	0.035	1.0	6.50	6.0	9.0	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.045 (1.14)
894AT2503HC	250	0.060	0.80	5.00	4.6	6.8	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.040 (1.02)
894AT5003HC	500	0.131	0.60	3.40	3.1	4.6	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.032 (0.81)
894AT7503HC	750	0.160	0.40	3.00	2.7	4.0	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.032 (0.81)
894AT1004HC	1000	0.235	0.30	2.40	2.3	3.5	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.028 (0.71)

NOTES

- **Operating Temperature Range:** -55°C to +130°C
- **Current Rating** is based on a 40°C temperature rise at an ambient temperature of 90°C
- **Incremental Current** is the approximate value that will cause a percentage drop in inductance as indicated in the table
- **Weight Max:** 7.5 grams (050ATHC Series), 16 grams (121ATHC Series), 33 grams (059ATHC Series), 65 grams (894ATHC Series)
- **Marking:** GOWANDA; Part Number (see diagram above)
- Excellent Electromagnetic Shielding
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION



PACKAGING SPECS

Bulk Only