



High temp toroidal inductor Extended operating temperature T2200HT Series



FEATURES

- Toroidal design minimizes EMI & crosstalk
- Design for harsh industrial high temperature usage up to +200°C
- UL94V-0 Flammability rating approved
- Designed for Dielectric strength voltage of 500Vrms
- Available in vertical & Horizontal package designs
- Very low core loss

APPLICATIONS

EMI line filtering for general electronics, ideal for use in automotive electronics operating at harsh temperature environments also used in industrial, PLCC, avionics & ballast applications.

SPECIFICATIONS

Operating temperature range -55°C ~ +200°C
Storage temperature range -40°C ~ +85°C

PRECAUTIONS

After mounting components onto printed circuit board do not apply stress through board bending or mishandling when hand soldering, apply solder iron to the printed circuit board only. Temperature of the iron tip should not exceed 260°C ± 5 seconds

TMC Part Number	L (uH) +/- 15% @ 1KHz	Current I dc (Amps)	L (uH) +/- 15% @ I rated	DCR Max (ohms)
T2201HT-H	10	12.5	6.7	0.008
T2201HT-V	10	12.5	6.7	0.008
T2202HT-H	12	12.0	7.9	0.008
T2202HT-V	12	12.0	7.9	0.008
T2203HT-H	15	11.3	9.6	0.009
T2203HT-V	15	11.3	9.6	0.009
T2204HT-H	18	10.8	11.3	0.010
T2204HT-V	18	10.8	11.3	0.010
T2205HT-H	22	10.3	13.4	0.011
T2205HT-V	22	10.3	13.4	0.011
T2206HT-H	27	9.80	16.0	0.020
T2206HT-V	27	9.80	16.0	0.020
T2207HT-H	33	7.40	22.6	0.022
T2207HT-V	33	7.40	22.6	0.022
T2208HT-H	39	7.10	25.0	0.024
T2208HT-V	39	7.10	25.0	0.024
T2209HT-H	47	6.70	29.3	0.026
T2209HT-V	47	6.70	29.3	0.026
T2210HT-H	56	6.40	34.1	0.046
T2210HT-V	56	6.40	34.1	0.046
T2211HT-H	68	4.90	45.7	0.056
T2211HT-V	68	4.90	45.7	0.056
T2212HT-H	100	4.40	64.0	0.098
T2212HT-V	100	4.40	64.0	0.098
T2213HT-H	120	3.30	84.4	0.110
T2213HT-V	120	3.30	84.4	0.110

Operating temperature tested at 25°C

UNITED STATES

(Worldwide)
Top Magnetics Corporation
13925 Magnolia Avenue
Chino, California 91710 USA
Tel: 909-590-8550
Fax: 909-590-8762
Website: www.topmagnetics.com

DISTRIBUTOR

(USA - EAST COAST)
OBP
35 OAKREST LANE
BABYLON, NY. 11702
TEL: 631-422-1070
FAX: 631-661-9098

DISTRIBUTOR

(USA - WEST COAST)
Aegis Micro
15861 Business Center Drive
Irwindale, California 91706
Tel: 626-962-8712
Fax: 626-962-4692
Website: www.aegis-micro.com

Performance and warranty of products offered on this data sheet is limited on this data sheet and subject to customer final testing. Data is subject to change without notice. Other brands, names mentioned may be registered trademarks of their respective owners. Customers should use discretionary caution.

Printed on Recycled paper. © 2003 Top Magnetics Corporation.

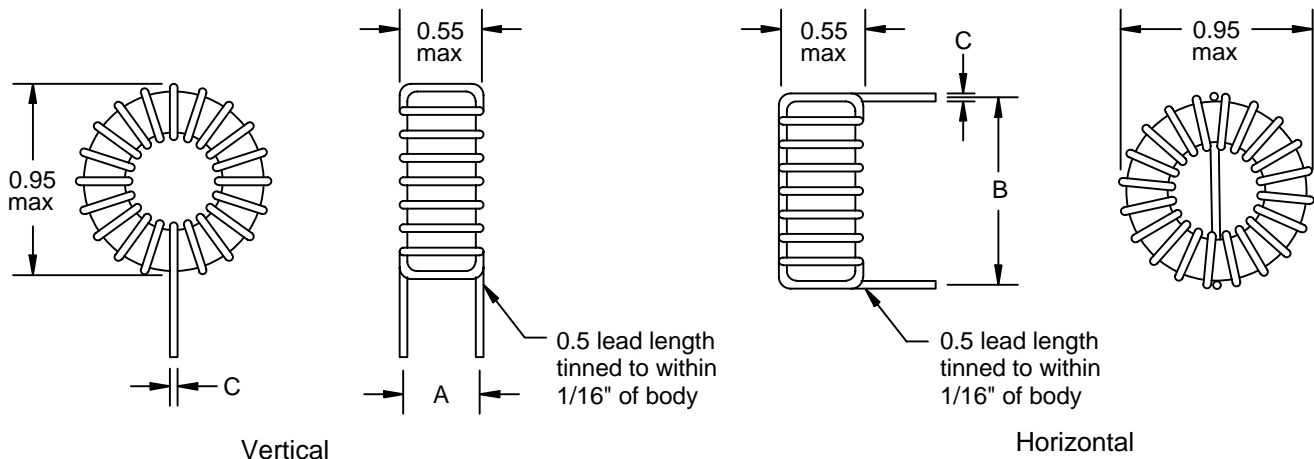


High temp toroidal inductor Extended operating temperature T2200HT Series

TMC Part Number	L (uH) +/- 15% @ 1KHz	Current I dc (Amps)	L (uH) +/- 15% @ I rated	DCR Max (ohms)
T2214HT-H	150	3.10	102.7	0.075
T2214HT-V	150	3.10	102.7	0.075
T2215HT-H	180	3.80	105.9	0.083
T2215HT-V	180	3.80	105.9	0.083
T2216HT-H	220	3.50	125.5	0.092
T2216HT-V	220	3.50	125.5	0.092
T2217HT-H	270	3.40	149.4	0.100
T2217HT-V	270	3.40	149.4	0.100
T2218HT-H	330	3.30	176.8	0.180
T2218HT-V	330	3.30	176.8	0.180
T2219HT-H	390	2.50	235.3	0.190
T2219HT-V	390	2.50	235.3	0.190
T2220HT-H	470	2.30	275.9	0.220
T2220HT-V	470	2.30	275.9	0.220
T2221HT-H	560	2.20	320.1	0.230
T2221HT-V	560	2.20	320.1	0.230
T2222HT-H	680	2.10	377.2	0.260
T2222HT-V	680	2.10	377.2	0.260
T2223HT-H	820	2.00	441.5	0.280
T2223HT-V	820	2.00	441.5	0.280
T2224HT-H	1000	1.90	5T22.3	0.320
T2224HT-V	1000	1.90	5T22.3	0.320

Operating temperature tested at 25°C
Part number specification & ordering
Add a T or H to denote Vertical or Horizontal mounting package style

MECHANICAL DIMENSIONS: (mm)



UNITED STATES
(Worldwide)
Top Magnetics Corporation
13925 Magnolia Avenue
Chino, California 91710 USA
Tel: 909-590-8550
Fax: 909-590-8762
Website: www.topmagnetics.com

DISTRIBUTOR
(USA - EAST COAST)
OBP
35 OAKREST LANE
BABYLON, NY. 11702
TEL: 631-422-1070
FAX: 631-661-9098
WEBSITE: WWW.OBPMAGNETICS.COM

DISTRIBUTOR
(USA - WEST COAST)
Aegis Micro
15861 Business Center Drive
Irwindale, California 91706
Tel: 626-962-8712
Fax: 626-962-4692
Website: www.aegis-micro.com

Performance and warranty of products offered on this data sheet is limited on this data sheet and subject to customer final testing. Data is subject to change without notice. Other brands, names mentioned may be registered trademarks of their respective owners. Customers should use discretionary caution.
Printed on Recycled paper. © 2003 Top Magnetics Corporation.