

BOURNS / J. W. MILLER High Current Toroidal Inductors



A Bourns Company

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: in.

J.W. Miller 2100HT SERIES

Features:

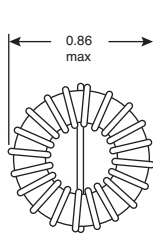
- High Temperature rating-up to +200°C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

Applications:

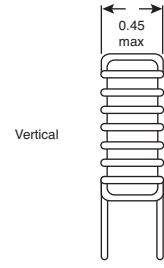
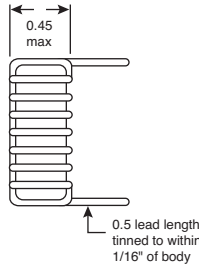
- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

Notes:

- Rated Idc causes a 50°C temperature rise.



Horizontal



Vertical



Horizontal Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2100HT-100H-RC	2100HT-100H-RC	10	9.9	0.012	2.61	2.43	2.16	1.98	1.80
542-2100HT-120H-RC	2100HT-120H-RC	12	9.6	0.013	2.61	2.43	2.16	1.98	1.80
542-2100HT-150H-RC	2100HT-150H-RC	15	9.1	0.014	2.61	2.43	2.16	1.98	1.80
542-2100HT-180H-RC	2100HT-180H-RC	18	8.6	0.016	2.61	2.43	2.16	1.98	1.80
542-2100HT-220H-RC	2100HT-220H-RC	22	6.7	0.026	2.61	2.43	2.16	1.98	1.80
542-2100HT-270H-RC	2100HT-270H-RC	27	6.4	0.028	2.61	2.43	2.16	1.98	1.80
542-2100HT-330H-RC	2100HT-330H-RC	33	6.1	0.031	2.61	2.43	2.16	1.98	1.80
542-2100HT-390H-RC	2100HT-390H-RC	39	5.9	0.033	2.61	2.43	2.16	1.98	1.80
542-2100HT-470H-RC	2100HT-470H-RC	47	5.6	0.036	2.61	2.43	2.16	1.98	1.80
542-2100HT-560H-RC	2100HT-560H-RC	56	5.3	0.040	2.61	2.43	2.16	1.98	1.80
542-2100HT-680H-RC	2100HT-680H-RC	68	5.1	0.044	2.61	2.43	2.16	1.98	1.80
542-2100HT-101H-RC	2100HT-101H-RC	100	4.6	0.053	2.61	2.43	2.16	1.98	1.80
542-2100HT-121H-RC	2100HT-121H-RC	120	3.5	0.094	2.61	2.43	2.16	1.98	1.80
542-2100HT-151H-RC	2100HT-151H-RC	150	3.3	0.110	2.61	2.43	2.16	1.98	1.80
542-2100HT-181H-RC	2100HT-181H-RC	180	3.1	0.120	2.61	2.43	2.16	1.98	1.80
542-2100HT-221H-RC	2100HT-221H-RC	220	3	0.130	2.61	2.43	2.16	1.98	1.80
542-2100HT-271H-RC	2100HT-271H-RC	270	2.8	0.140	2.61	2.43	2.16	1.98	1.80
542-2100HT-331H-RC	2100HT-331H-RC	330	2.7	0.160	2.61	2.43	2.16	1.98	1.80
542-2100HT-391H-RC	2100HT-391H-RC	390	2.1	0.270	2.61	2.43	2.16	1.98	1.80
542-2100HT-471H-RC	2100HT-471H-RC	470	2	0.290	2.61	2.43	2.16	1.98	1.80
542-2100HT-561H-RC	2100HT-561H-RC	560	1.9	0.320	2.61	2.43	2.16	1.98	1.80
542-2100HT-681H-RC	2100HT-681H-RC	680	1.8	0.350	2.61	2.43	2.16	1.98	1.80
542-2100HT-821H-RC	2100HT-821H-RC	820	1.7	0.390	2.61	2.43	2.16	1.98	1.80
542-2100HT-102H-RC	2100HT-102H-RC	1000	1.6	0.430	2.61	2.43	2.16	1.98	1.80

Vertical Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2100HT-100V-RC	2100HT-100V-RC	10	9.9	0.012	2.61	2.43	2.16	1.98	1.80
542-2100HT-120V-RC	2100HT-120V-RC	12	9.6	0.013	2.61	2.43	2.16	1.98	1.80
542-2100HT-150V-RC	2100HT-150V-RC	15	9.1	0.014	2.61	2.43	2.16	1.98	1.80
542-2100HT-180V-RC	2100HT-180V-RC	18	8.6	0.016	2.61	2.43	2.16	1.98	1.80
542-2100HT-220V-RC	2100HT-220V-RC	22	6.7	0.026	2.61	2.43	2.16	1.98	1.80
542-2100HT-270V-RC	2100HT-270V-RC	27	6.4	0.028	2.61	2.43	2.16	1.98	1.80
542-2100HT-330V-RC	2100HT-330V-RC	33	6.1	0.031	2.61	2.43	2.16	1.98	1.80
542-2100HT-390V-RC	2100HT-390V-RC	39	5.9	0.033	2.61	2.43	2.16	1.98	1.80
542-2100HT-470V-RC	2100HT-470V-RC	47	5.6	0.036	2.61	2.43	2.16	1.98	1.80
542-2100HT-560V-RC	2100HT-560V-RC	56	5.3	0.040	2.61	2.43	2.16	1.98	1.80
542-2100HT-680V-RC	2100HT-680V-RC	68	5.1	0.044	2.61	2.43	2.16	1.98	1.80
542-2100HT-101V-RC	2100HT-101V-RC	100	4.6	0.053	2.61	2.43	2.16	1.98	1.80
542-2100HT-121V-RC	2100HT-121V-RC	120	3.5	0.094	2.61	2.43	2.16	1.98	1.80
542-2100HT-151V-RC	2100HT-151V-RC	150	3.3	0.110	2.61	2.43	2.16	1.98	1.80
542-2100HT-181V-RC	2100HT-181V-RC	180	3.1	0.120	2.61	2.43	2.16	1.98	1.80
542-2100HT-221V-RC	2100HT-221V-RC	220	3	0.130	2.61	2.43	2.16	1.98	1.80
542-2100HT-271V-RC	2100HT-271V-RC	270	2.8	0.140	2.61	2.43	2.16	1.98	1.80
542-2100HT-331V-RC	2100HT-331V-RC	330	2.7	0.160	2.61	2.43	2.16	1.98	1.80
542-2100HT-391V-RC	2100HT-391V-RC	390	2.1	0.270	2.61	2.43	2.16	1.98	1.80
542-2100HT-471V-RC	2100HT-471V-RC	470	2	0.290	2.61	2.43	2.16	1.98	1.80
542-2100HT-561V-RC	2100HT-561V-RC	560	1.9	0.320	2.61	2.43	2.16	1.98	1.80
542-2100HT-681V-RC	2100HT-681V-RC	680	1.8	0.350	2.61	2.43	2.16	1.98	1.80
542-2100HT-821V-RC	2100HT-821V-RC	820	1.7	0.390	2.61	2.43	2.16	1.98	1.80

J.W. Miller 2200HT SERIES

Features:

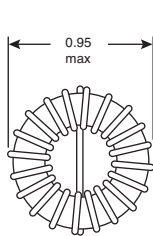
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- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

Applications:

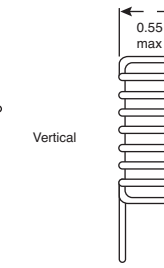
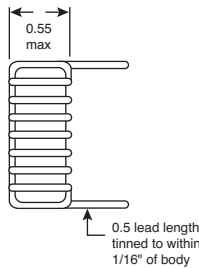
- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

Notes:

- Rated Idc causes a 50°C temperature rise.



Horizontal



Vertical



Horizontal Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2200HT-100H-RC	2200HT-100H-RC	10	11.2	0.014	3.22	3.00	2.66	2.44	2.22
542-2200HT-120H-RC	2200HT-120H-RC	12	10.9	0.015	3.22	3.00	2.66	2.44	2.22
542-2200HT-150H-RC	2200HT-150H-RC	15	10.3	0.017	3.22	3.00	2.66	2.44	2.22
542-2200HT-180H-RC	2200HT-180H-RC	18	9.7	0.018	3.22	3.00	2.66	2.44	2.22
542-2200HT-220H-RC	2200HT-220H-RC	22	9.3	0.020	3.22	3.00	2.66	2.44	2.22
542-2200HT-270H-RC	2200HT-270H-RC	27	8.9	0.022	3.22	3.00	2.66	2.44	2.22
542-2200HT-330H-RC	2200HT-330H-RC	33	8.4	0.025	3.22	3.00	2.66	2.44	2.22
542-2200HT-390H-RC	2200HT-390H-RC	39	8.1	0.026	3.22	3.00	2.66	2.44	2.22
542-2200HT-470H-RC	2200HT-470H-RC	47	6.4	0.042	3.22	3.00	2.66	2.44	2.22
542-2200HT-560H-RC	2200HT-560H-RC	56	6.1	0.046	3.22	3.00	2.66	2.44	2.22
542-2200HT-680H-RC	2200HT-680H-RC	68	5.8	0.050	3.22	3.00	2.66	2.44	2.22
542-2200HT-101H-RC	2200HT-101H-RC	100	5.3	0.061	3.22	3.00	2.66	2.44	2.22
542-2200HT-121H-RC	2200HT-121H-RC	120	5	0.067	3.22	3.00	2.66	2.44	2.22
542-2200HT-151H-RC	2200HT-151H-RC	150	4.8	0.075	3.22	3.00	2.66	2.44	2.22
542-2200HT-181H-RC	2200HT-181H-RC	180	4.6	0.082	3.22	3.00	2.66	2.44	2.22
542-2200HT-221H-RC	2200HT-221H-RC	220	4.3	0.091	3.22	3.00	2.66	2.44	2.22
542-2200HT-271H-RC	2200HT-271H-RC	270	3.3	0.160	3.22	3.00	2.66	2.44	2.22
542-2200HT-331H-RC	2200HT-331H-RC	330	3.1	0.180	3.22	3.00	2.66	2.44	2.22
542-2200HT-391H-RC	2200HT-391H-RC	390	3	0.190	3.22	3.00	2.66	2.44	2.22
542-2200HT-471H-RC	2200HT-471H-RC	470	2.8	0.210	3.22	3.00	2.66	2.44	2.22
542-2200HT-561H-RC	2200HT-561H-RC	560	2.7	0.230	3.22	3.00	2.66	2.44	2.22
542-2200HT-681H-RC	2200HT-681H-RC	680	2.6	0.270	3.22	3.00	2.66	2.44	2.22
542-2200HT-821H-RC	2200HT-821H-RC	820	2	0.440	3.22	3.00	2.66	2.44	2.22
542-2200HT-102H-RC	2200HT-102H-RC	1000	1.9	0.490	3.22	3.00	2.66	2.44	2.22

Vertical Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2200HT-100V-RC	2200HT-100V-RC	10	11.2	0.014	3.22	3.00	2.66	2.44	2.22
542-2200HT-120V-RC	2200HT-120V-RC	12	10.9	0.015	3.22	3.00	2.66	2.44	2.22
542-2200HT-150V-RC	2200HT-150V-RC	15	10.3	0.017	3.22	3.00	2.66	2.44	2.22
542-2200HT-180V-RC	2200HT-180V-RC	18	9.7	0.018	3.22	3.00	2.66	2.44	2.22
542-2200HT-220V-RC	2200HT-220V-RC	22	9.3	0.020	3.22	3.00	2.66	2.44	2.22
542-2200HT-270V-RC	2200HT-270V-RC	27	8.9	0.022	3.84	3.58	3.17	2.91	2.64
542-2200HT-330V-RC	2200HT-330V-RC	33	8.4	0.025	3.22	3.00	2.66	2.44	2.22
542-2200HT-390V-RC	2200HT-390V-RC	39	8.1	0.026	3.22	3.00	2.66	2.44	2.22
542-2200HT-470V-RC	2200HT-470V-RC	47	6.4	0.042	3.22	3.00	2.66	2.44	2.22
542-2200HT-560V-RC	2200HT-560V-RC	56	6.1	0.046	3.22	3.00	2.66	2.44	2.22
542-2200HT-680V-RC	2200HT-680V-RC	68	5.8	0.050	3.22	3.00	2.66	2.44	2.22
542-2200HT-101V-RC	2200HT-101V-RC	100	5.3	0.061	3.22	3.00	2.66	2.44	2.22
542-2200HT-121V-RC	2200HT-121V-RC	120	5	0.067	3.22	3.00	2.66	2.44	2.22
542-2200HT-151V-RC									