

# BOURNS / J. W. MILLER High Current Toroidal Inductors



A Bourns Company

## J.W. Miller 2100HT SERIES

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: in.

### Features:

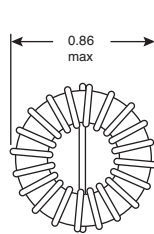
- High Temperature rating-up to +200°C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

### Applications:

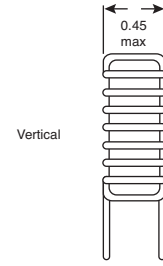
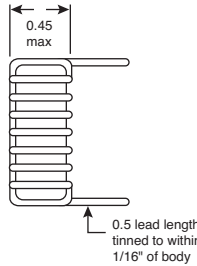
- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

### Notes:

- Rated Idc causes a 50°C temperature rise.



Horizontal



Vertical

RoHS Compliant

### 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

DIMENSIONS: in.

### Features:

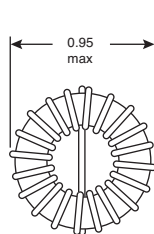
- High Temperature rating-up to +200°C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

### Applications:

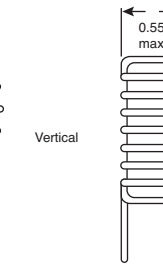
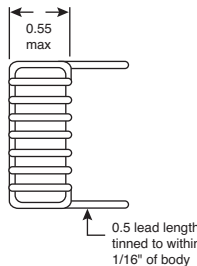
- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

### Notes:

- Rated Idc causes a 50°C temperature rise.



Horizontal



Vertical

RoHS Compliant

### 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				