

# MODEL HM11 SERIES

## Vertical Mount Inductors



### FEATURES AND BENEFITS

- High saturation flux density
- Small size
- Single layer designs
- Available without core
- Custom designs available

### APPLICATIONS

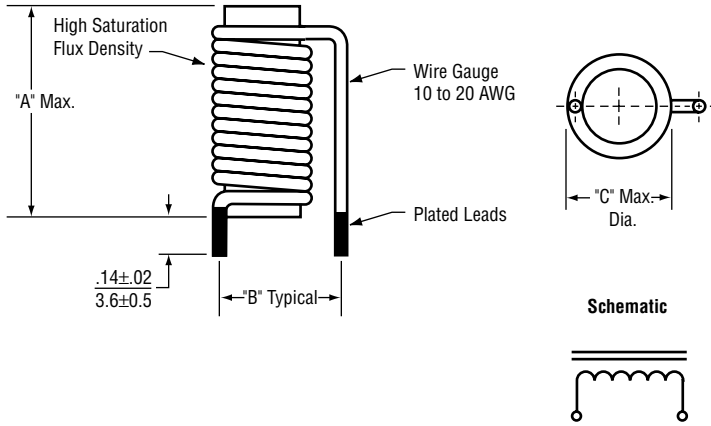
- Switch mode power supplies
- EMI suppression
- Output ripple current filters
- High current oscillator tank circuits

### ENVIRONMENTAL

Operating Temperature Range	-25° to + 105°C
Temperature Rise, Maximum	45°C

Specifications subject to change without notice.

**OUTLINE DIMENSIONS (Inch/mm)**



## SPECIFICATIONS

Part Number	Core Size	Wire	Inductance	DC	I SAT	Max. Current		Mechanical Outline		
		Gauge	$\mu$ H	Resistance	DC Amps	DC Amps		Dimensions: Inches (mm)		
		AWG mm <sup>(1)</sup>	@10 kHz $\pm$ 25%	m $\Omega$ Max.	Approx.	at 35°C Rise	at 45°C Rise	A	B	C
HM11-11001	10 X 40	10 (2.59)	4.46	2.0	48	23.5	26.5	1.65 (42)	.75 (19.0)	.63 (16.0)
HM11-11302	10 X 35	13 (1.83)	7.20	4.5	36	13.0	15.0	1.46 (37)	.65 (16.5)	.57 (14.5)
HM11-11503	10 X 35	15 (1.45)	11.00	8.1	28	10.5	12.0	1.46 (37)	.60 (15.2)	.54 (13.7)
HM11-11804	10 X 35	18 (1.02)	21.00	21.4	20	7.0	8.0	1.46 (37)	.55 (14.0)	.50 (12.8)
HM11-12005	10 X 35	20 (0.81)	34.00	43.0	16	5.5	6.5	1.46 (37)	.55 (14.0)	.49 (12.4)
HM11-21001	10 X 25	10 (2.59)	1.40	1.2	85	25.0	28.0	1.06 (27)	.75 (19.0)	.63 (16.0)
HM11-21302	10 X 25	13 (1.83)	3.30	3.4	60	14.0	16.0	1.06 (27)	.65 (16.5)	.57 (14.5)
HM11-21503	10 X 25	15 (1.45)	5.00	5.5	46	11.5	13.5	1.06 (27)	.60 (15.2)	.54 (13.7)
HM11-21804	10 X 25	18 (1.02)	9.30	15.0	30	8.0	9.0	1.06 (27)	.55 (14.0)	.50 (12.8)
HM11-22005	10 X 25	20 (0.81)	16.20	30.6	22	5.0	5.5	1.06 (27)	.55 (14.0)	.49 (12.4)
HM11-31001	8 X 25	10 (2.59)	1.20	1.0	72	28.0	31.0	1.06 (27)	.65 (16.5)	.55 (14.0)
HM11-31302	8 X 25	13 (1.83)	2.70	2.7	45	14.5	17.0	1.06 (27)	.55 (14.0)	.49 (12.5)
HM11-31503	8 X 25	15 (1.45)	4.20	4.9	35	11.5	13.5	1.06 (27)	.55 (14.0)	.46 (11.7)
HM11-31804	8 X 25	18 (1.02)	7.20	11.6	26	8.0	9.0	1.06 (27)	.50 (12.7)	.43 (10.8)
HM11-32005	8 X 25	20 (0.81)	12.00	22.8	22	5.5	6.5	1.06 (27)	.45 (11.4)	.41 (10.4)
HM11-41301	6 X 16	13 (1.83)	0.66	1.4	65	13.0	15.0	.71 (18)	.50 (12.7)	.41 (10.5)
HM11-41502	6 X 16	15 (1.45)	1.00	2.3	50	10.0	12.0	.71 (18)	.45 (11.4)	.38 (9.7)
HM11-41803	6 X 16	18 (1.02)	2.20	6.1	32	8.0	9.0	.71 (18)	.40 (10.2)	.35 (8.8)
HM11-42004	6 X 16	20 (.081)	3.30	10.87	23	7.5	8.5	.71 (18)	.40 (10.2)	.33 (8.4)
HM11-51301	5 X 25	13 (1.83)	2.00	1.9	25	17.0	19.5	1.06 (27)	.45 (11.4)	.37 (9.5)
HM11-51502	5 X 25	15 (1.45)	2.60	3.2	20	14.5	16.5	1.06 (27)	.45 (11.4)	.34 (8.7)
HM11-51803	5 X 25	18 (1.02)	5.50	8.4	14	9.0	10.0	1.06 (27)	.35 (8.9)	.31 (7.8)
HM11-52004	5 X 25	20 (0.81)	8.80	16.5	10	6.5	7.0	1.06 (27)	.35 (8.9)	.29 (7.4)
HM11-61301	4 X 16	13 (1.83)	0.37	0.9	53	18.0	20.0	.71 (18)	.40 (10.2)	.33 (8.5)
HM11-61502	4 X 16	15 (1.45)	0.68	1.7	38	15.5	17.5	.71 (18)	.40 (10.2)	.30 (7.7)
HM11-61803	4 X 16	18 (1.02)	1.15	3.7	28	10.5	12.0	.71 (18)	.35 (8.9)	.27 (6.8)
HM11-62004	4 X 16	20 (0.81)	1.80	6.9	20	8.5	9.5	.71 (18)	.30 (7.6)	.25 (6.4)

Note: (1) Nominal bare wire diameter