

Chip Inductors

Special Features

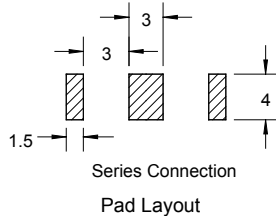
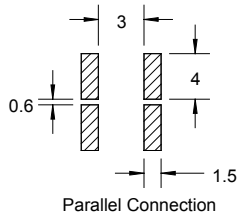
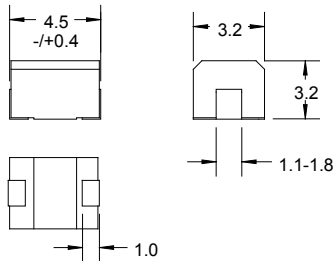
- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture
- Operating temperature -55 to +105°C
- Tape & reel packaged 500/reel

Notes

* Current to cause 20°C maximum temperature rise

** Crosses to the following Bourns Series
@ www.Bourns.com

PM1812 link to Bourns [CM453232](http://www.bourns.com/CM453232)



Dimensions: mm
Tolerance: +/-0.2

PM1812 Series						
Part Number	L (uH) ± 10%	Q Min.	Test Freq. (MHz)	SRF (MHz) Max.	DCR (Ω) Max.	I, DC * (mA)
PM1812-R10K	0.10	28	25.2	300	0.18	800
PM1812-R12K	0.12	30	25.2	280	0.20	770
PM1812-R15K	0.15	30	25.2	250	0.22	730
PM1812-R18K	0.18	30	25.2	220	0.24	700
PM1812-R22K	0.22	30	25.2	200	0.25	665
PM1812-R27K	0.27	30	25.2	180	0.26	635
PM1812-R33K	0.33	30	25.2	165	0.28	605
PM1812-R39K	0.39	30	25.2	150	0.30	575
PM1812-R47K	0.47	30	25.2	145	0.32	545
PM1812-R56K	0.56	30	25.2	140	0.36	520
PM1812-R68K	0.68	30	25.2	135	0.40	500
PM1812-R82K	0.82	30	25.2	130	0.45	475
±5%						
PM1812-1R0J	1.0	50	7.96	100	0.50	450
PM1812-1R2J	1.2	50	7.96	80	0.55	430
PM1812-1R5J	1.5	50	7.96	70	0.60	410
PM1812-1R8J	1.8	50	7.96	60	0.65	390
PM1812-2R2J	2.2	50	7.96	55	0.70	380
PM1812-2R7J	2.7	50	7.96	50	0.75	370
PM1812-3R3J	3.3	50	7.96	45	0.80	355
PM1812-3R9J	3.9	50	7.96	40	0.90	330
PM1812-4R7J	4.7	50	7.96	35	1.0	315
PM1812-5R6J	5.6	50	7.96	33	1.1	300
PM1812-6R8J	6.8	50	7.96	27	1.2	285
PM1812-8R2J	8.2	50	7.96	25	1.4	270
PM1812-100J	10	50	2.52	20	1.6	250
PM1812-120J	12	50	2.52	18	2.0	225
PM1812-150J	15	50	2.52	17	2.5	200
PM1812-180J	18	50	2.52	15	2.8	190
PM1812-220J	22	50	2.52	13	3.2	180
PM1812-270J	27	50	2.52	12	3.6	170
PM1812-330J	33	50	2.52	11	4.0	160
PM1812-390J	39	50	2.52	10	4.5	150
PM1812-470J	47	50	2.52	10	5.0	140
PM1812-560J	56	50	2.52	9	5.5	135
PM1812-680J	68	50	2.52	9	6.0	130
PM1812-820J	82	50	2.52	8	7.0	120
PM1812-101J	100	40	0.796	7	8.0	110
PM1812-121J	120	40	0.796	6	8.0	110
PM1812-151J	150	40	0.796	5	9.0	105
PM1812-181J	180	40	0.796	5	9.5	102
PM1812-221J	220	40	0.796	4	10	100
PM1812-271J	270	30	0.796	3	12	92
PM1812-331J	330	30	0.796	3	14	85
PM1812-391J	390	30	0.796	3	18	80
PM1812-471J	470	30	0.796	3	26	62
PM1812-561J	560	30	0.796	2	30	50
PM1812-681J	680	30	0.796	2	30	50
PM1812-821J	820	30	0.796	2	35	30
PM1812-102J	1000	30	0.796	2	40	30

Also available as RoHS compliant.

J.W. Miller
MAGNETICS

306 E. Alondra Blvd. Gardena, CA 90247-1059 • Phone (310) 515-1720 • FAX (310) 515-1962

www.jwmiller.com