

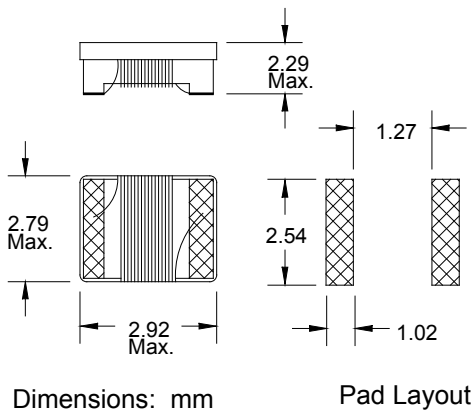
# Chip Inductors

## Special Features

- Ceramic core
- Wire wound for superior reliability
- High self-resonant frequency
- Very stable electrical characteristic on ceramic core
- Flat top surface for automated pick & place
- Operating temperature -55 to +125°C
- Tape & reel packaged 2000/reel

## Notes

- \* Current to cause 15°C maximum temperature rise
- \*\* Crosses to the following Bourns Series  
@ [www.Bourns.com](http://www.Bourns.com)  
PM1008 link to Bourns [CW252016](#)



PM1008 Series							
Part Number	L (nH) ±20%	L Test		Q Test		SRF	DCR
		Freq. (MHz)	Q Min.	Freq. (MHz)	Q Min.	(MHz) Min.	(Ω) Max.
PM1008-10NM	10	50	50	500	4100	0.08	1000
PM1008-12NM	12	50	50	500	3300	0.09	1000
PM1008-15NM	15	50	50	500	2500	0.10	1000
PM1008-18NM	18	50	50	350	2500	0.11	1000
PM1008-22NM	22	50	55	350	2400	0.12	1000
PM1008-27NM	27	50	55	350	1600	0.13	1000
PM1008-33NM	33	50	60	350	1600	0.14	1000
PM1008-39NM	39	50	60	350	1500	0.15	1000
PM1008-47NM	47	50	65	350	1500	0.16	1000
±10%							
PM1008-56NK	56	50	65	350	1300	0.18	1000
PM1008-68NK	68	50	65	350	1300	0.20	1000
PM1008-82NK	82	50	60	350	1000	0.22	1000
(uH)							
±10%							
PM1008-R10K	0.10	25	60	350	1000	0.56	650
PM1008-R12K	0.12	25	60	350	950	0.68	650
PM1008-R15K	0.15	25	45	100	850	0.70	580
PM1008-R18K	0.18	25	45	100	750	0.77	620
PM1008-R22K	0.22	25	45	100	700	0.84	500
PM1008-R27K	0.27	25	45	100	600	0.91	500
PM1008-R33K	0.33	25	45	100	570	1.05	450
PM1008-R39K	0.39	25	45	100	500	1.12	470
PM1008-R47K	0.47	25	45	100	450	1.19	470
PM1008-R56K	0.56	25	45	100	415	1.33	400
PM1008-R68K	0.68	25	45	100	375	1.47	400
PM1008-R82K	0.82	25	45	100	350	1.61	400
PM1008-1R0K	1.0	25	35	50	290	1.75	370
PM1008-1R2K	1.2	7.9	35	50	250	2.00	340
PM1008-1R5K	1.5	7.9	28	50	200	2.30	330
PM1008-1R8K	1.8	7.9	28	50	160	2.60	300
PM1008-2R2K	2.2	7.9	28	50	160	2.80	290
PM1008-2R7K	2.7	7.9	22	25	140	3.20	290
PM1008-3R3K	3.3	7.9	22	25	110	3.40	290
PM1008-3R9K	3.9	7.9	20	25	100	3.60	260
PM1008-4R7K	4.7	7.9	20	25	90	4.00	260
PM1008-5R6K	5.6	7.9	20	25	55	7.00	200
PM1008-6R8K	6.8	7.9	20	25	45	8.00	180
PM1008-8R2K	8.2	7.9	20	25	35	9.50	150
PM1008-100K	10	7.9	20	25	25	12.0	100

Also available as RoHS compliant.

**J.W. Miller**  
MAGNETICS

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