

# Multilayer Chip Inductors, High Frequency Applications

## Special Features

- Monolithic construction provides high reliability
- High Q characteristic
- High frequency application
- Ferrite material construction provides magnetic shielding to reduce radiation
- Operating temperature  
-25 to +105°C
- Tape & reel packaged 4000/reel

## Typical Applications

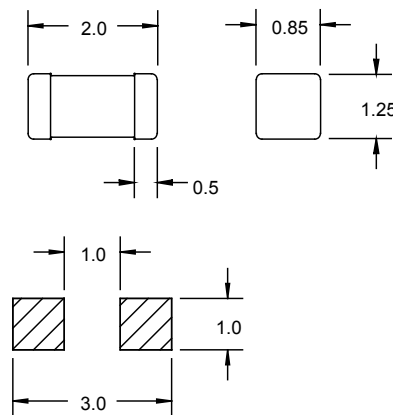
- Small cellular phones
- PDAs
- Pagers
- Hand-held organizers
- High frequency wireless communication devices
- Notebook computers
- Printers
- Network cards
- Industrial electronics
- Entertainment electronic devices

## Notes

- \* Current to cause 20°C of temperature rise
- \* Crosses to the following Bourns Series  
@ [www.Bourns.com](http://www.Bourns.com)  
PM0805H link to Bourns [CE201210](http://www.bourns.com/CE201210)

PM0805H Series							
Part Number	L (nH) +/- 0.3nH	Q Typ	Test Freq. (MHz)	Q Typ. @ 800 MHz	SRF (MHz) Typ.	DCR (Ω) Max.	I <sub>c</sub> DC* (mA)
PM0805H-1N5	1.5	10	100	50	6000	0.10	300
PM0805H-1N8	1.8	10	100	52	6000	0.10	300
PM0805H-2N2	2.2	11	100	53	6000	0.10	300
PM0805H-2N7	2.7	12	100	56	6000	0.10	300
PM0805H-3N3	3.3	13	100	56	6000	0.13	300
PM0805H-3N9	3.9	13	100	58	5400	0.15	300
PM0805H-4N7	4.7	14	100	58	4500	0.20	300
PM0805H-5N6	5.6	14	100	60	4000	0.23	300
±5%							
PM0805H-6N8J	6.8	15	100	60	3650	0.25	300
PM0805H-8N2J	8.2	15	100	64	3000	0.28	300
PM0805H-10NJ	10	15	100	60	2500	0.30	300
PM0805H-12NJ	12	16	100	60	2450	0.35	300
PM0805H-15NJ	15	16	100	63	2200	0.40	300
PM0805H-18NJ	18	17	100	63	1750	0.45	300
PM0805H-22NJ	22	18	100	60	1700	0.50	300
PM0805H-27NJ	27	17	100	58	1550	0.55	300
PM0805H-33NJ	33	18	100	55	1350	0.60	300
PM0805H-39NJ	39	18	100	47	1300	0.65	300
PM0805H-47NJ	47	18	100	43	1200	0.70	300
PM0805H-56NJ	56	19	100	39	1150	0.75	300
PM0805H-68NJ	68	19	100	30	1000	0.80	300
PM0805H-82NJ	82	19	100	10	850	0.90	300
PM0805H-100NJ	100	23	100	-	700	0.90	300
PM0805H-120NJ	120	16	50	-	650	0.95	300
PM0805H-150NJ	150	16	50	-	550	1.00	300
PM0805H-180NJ	180	16	50	-	500	1.10	300
PM0805H-220NJ	220	16	50	-	430	1.20	300
PM0805H-270NJ	270	18	50	-	650	0.95	300
PM0805H-330NJ	330	18	50	-	550	1.00	300
PM0805H-390NJ	390	18	50	-	500	1.10	300
PM0805H-470NJ	470	16	50	-	430	1.20	300

Also available as RoHS compliant.



Pad Layout

Dimensions: mm  
Tolerance: -/+ 0.2

**J.W. Miller**  
MAGNETICS

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