

# Multilayer Chip Inductors, High Frequency Applications



Model PM0805H Series is obsolete and not recommended for new designs. Model CE201210 is preferred.

### 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

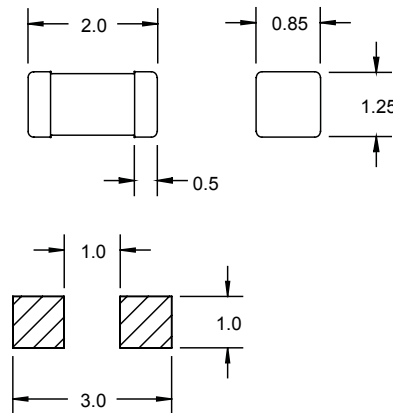
\* Current to cause 20 °C of temperature rise

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

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)	Bourns Equivalent
PM0805H-1N5-RC	1.5	10	100	50	6000	0.10	300	
PM0805H-1N8-RC	1.8	10	100	52	6000	0.10	300	
PM0805H-2N2-RC	2.2	11	100	53	6000	0.10	300	
PM0805H-2N7-RC	2.7	12	100	56	6000	0.10	300	
PM0805H-3N3-RC	3.3	13	100	56	6000	0.13	300	
PM0805H-3N9-RC	3.9	13	100	58	5400	0.15	300	
PM0805H-4N7-RC	4.7	14	100	58	4500	0.20	300	
PM0805H-5N6-RC	5.6	14	100	60	4000	0.23	300	
	±5 %							
PM0805H-6N8J-RC	6.8	15	100	60	3650	0.25	300	
PM0805H-8N2J-RC	8.2	15	100	64	3000	0.28	300	
PM0805H-10NJ-RC	10	15	100	60	2500	0.30	300	
PM0805H-12NJ-RC	12	16	100	60	2450	0.35	300	
PM0805H-15NJ-RC	15	16	100	63	2200	0.40	300	
PM0805H-18NJ-RC	18	17	100	63	1750	0.45	300	
PM0805H-22NJ-RC	22	18	100	60	1700	0.50	300	
PM0805H-27NJ-RC	27	17	100	58	1550	0.55	300	
PM0805H-33NJ-RC	33	18	100	55	1350	0.60	300	
PM0805H-39NJ-RC	39	18	100	47	1300	0.65	300	
PM0805H-47NJ-RC	47	18	100	43	1200	0.70	300	
PM0805H-56NJ-RC	56	19	100	39	1150	0.75	300	
PM0805H-68NJ-RC	68	19	100	30	1000	0.80	300	
PM0805H-82NJ-RC	82	19	100	10	850	0.90	300	
PM0805H-100NJ-RC	100	23	100	-	700	0.90	300	
PM0805H-120NJ-RC	120	16	50	-	650	0.95	300	
PM0805H-150NJ-RC	150	16	50	-	550	1.00	300	
PM0805H-180NJ-RC	180	16	50	-	500	1.10	300	
PM0805H-220NJ-RC	220	16	50	-	430	1.20	300	
PM0805H-270NJ-RC	270	18	50	-	650	0.95	300	
PM0805H-330NJ-RC	330	18	50	-	550	1.00	300	
PM0805H-390NJ-RC	390	18	50	-	500	1.10	300	
PM0805H-470NJ-RC	470	16	50	-	430	1.20	300	

CE201210

“-RC” suffix indicates RoHS compliance.



Pad Layout

Dimensions: mm  
Tolerance: +/- 0.2



Tel. (877) 426-8767 • Fax (951) 781-5006

www.bourns.com