

# Multilayer Chip Inductors, General Applications



Model PM0805G Series is obsolete and not recommended for new designs. Model CV201210 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 (0.047-8.2 μH)  
3000/reel (10-33 μH)

### 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

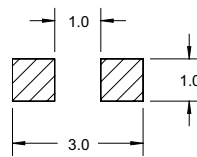
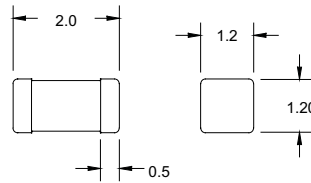
† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

PM0805G Series							
Part Number	L (μH) ±5 %	Q Typ.	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (Ω) Max.	I, DC* (mA)	Bourns Equivalent
PM0805G-R047J-RC	0.047	15	50	320	0.20	300	
PM0805G-R068J-RC	0.068	15	50	280	0.20	300	
PM0805G-R082J-RC	0.082	15	50	255	0.20	300	
PM0805G-R10J-RC	0.10	20	25	235	0.30	250	
PM0805G-R12J-RC	0.12	20	25	220	0.30	250	
PM0805G-R15J-RC	0.15	20	25	200	0.40	250	
PM0805G-R18J-RC	0.18	20	25	185	0.40	250	
PM0805G-R22J-RC	0.22	20	25	170	0.50	250	
PM0805G-R27J-RC	0.27	20	25	150	0.50	250	
PM0805G-R33J-RC	0.33	20	25	145	0.55	250	
PM0805G-R39J-RC	0.39	25	25	135	0.65	200	
PM0805G-R47J-RC	0.47	25	25	125	0.65	200	
PM0805G-R56J-RC	0.56	25	25	115	0.63	150	
PM0805G-R68J-RC	0.68	25	25	105	0.80	150	
PM0805G-R82J-RC	0.82	25	25	100	1.00	150	
PM0805G-1R0J-RC	1.0	45	10	75	0.40	50	
PM0805G-1R2J-RC	1.2	45	10	65	0.50	50	
PM0805G-1R5J-RC	1.5	45	10	60	0.50	50	
PM0805G-1R8J-RC	1.8	45	10	55	0.60	50	
PM0805G-2R2J-RC	2.2	45	10	50	0.65	30	
PM0805G-2R7J-RC	2.7	45	10	45	0.75	30	
PM0805G-3R3J-RC	3.3	45	10	41	0.80	30	
PM0805G-3R9K-RC<1>	3.9	45	10	38	0.90	15	
PM0805G-4R7J-RC	4.7	45	10	35	1.00	15	
PM0805G-5R6J-RC	5.6	50	4	32	0.90	15	
PM0805G-6R8J-RC	6.8	50	4	29	1.00	15	
PM0805G-8R2J-RC	8.2	50	4	26	1.10	15	
PM0805G-10J-RC	10	50	2	24	1.15	15	
	±20 %						
PM0805G-120M-RC	12	50	1	22	1.25	15	
PM0805G-150M-RC	15	30	1	19	0.80	5	
PM0805G-180M-RC	18	30	1	18	0.90	5	
PM0805G-220M-RC	22	30	1	16	1.10	5	
PM0805G-270M-RC	27	30	1	14	1.15	5	
PM0805G-330M-RC	33	30	0.4	13	1.25	5	

CV201210

"-RC" suffix indicates RoHS compliance.

<1> Tolerance ±10 %



Pad Layout

Dimensions: mm  
Tolerance: +/- 0.2



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