

# Multilayer Chip Inductors, High Frequency Applications



Model PM0603H Series is obsolete and not recommended for new designs. Model **CM160808** 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

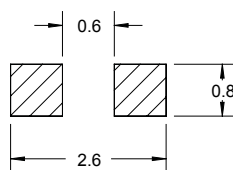
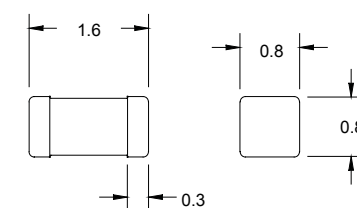
## Notes

- \* Current to cause 20 °C of temperature rise

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

PM0603H Series							
Part Number	L (nH)	Q	Q	SRF	DCR	I, DC*	Bourns Equivalent
	±0.3nH @100MHz	Typ. @ 100MHz	Typ. @ 800MHz	(MHz) Typ.	(Ω) Max.	(mA)	
PM0603H-1N5-RC	1.5	12	37	6000	0.10	300	CM160808
PM0603H-1N8-RC	1.8	12	37	6000	0.10	300	
PM0603H-2N2-RC	2.2	12	38	6000	0.10	300	
PM0603H-2N7-RC	2.7	13	41	6000	0.10	300	
PM0603H-3N3-RC	3.3	14	45	5700	0.12	300	
PM0603H-3N9-RC	3.9	13	43	5600	0.14	300	
PM0603H-4N7-RC	4.7	13	43	4800	0.16	300	
PM0603H-5N6-RC	5.6	14	42	4350	0.18	300	
	±5 %						
PM0603H-6N8J-RC	6.8	14	43	3750	0.22	300	
PM0603H-8N2J-RC	8.2	14	44	3300	0.24	300	
PM0603H-10NJ-RC	10	14	44	2850	0.26	300	
PM0603H-12NJ-RC	12	15	44	2700	0.28	300	
PM0603H-15NJ-RC	15	15	46	2400	0.32	300	
PM0603H-18NJ-RC	18	15	44	2050	0.35	300	
PM0603H-22NJ-RC	22	16	44	1850	0.40	300	
PM0603H-27NJ-RC	27	16	45	1750	0.45	300	
PM0603H-33NJ-RC	33	16	46	1500	0.55	300	
PM0603H-39NJ-RC	39	16	41	1350	0.60	300	
PM0603H-47NJ-RC	47	16	38	1200	0.70	300	
PM0603H-56NJ-RC	56	16	34	1150	0.75	300	
PM0603H-68NJ-RC	68	16	30	1050	0.85	300	
PM0603H-82NJ-RC	82	16	20	1000	0.95	300	
PM0603H-100NJ-RC	100	16	12	925	1.00	300	

"-RC" suffix indicates RoHS compliance.



Pad Layout

Dimensions: mm  
Tolerance: +/- 0.15