

# 0603 Multilayer Chip Inductors, High Frequency Applications

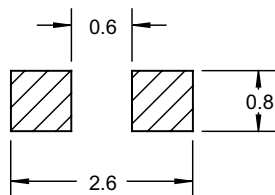
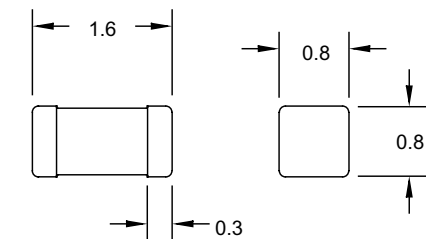
## Special Features

- Monolithic construction provides high reliability
- High Q characteristic
- Ceramic material construction provides very stable electrical characteristics
- Operating temperature -25 to +105°C
- Current to cause 20°C temperature rise
- Tape & reel packaged 4000/reel

## Typical Applications

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

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



Pad Layout

Tol:  $\pm 0.15$   
Dim: mm

**J.W. Miller**  
MAGNETICS

306 E. Alondra Blvd., Gardena, CA 90247-1059 • (310) 515-1720 • FAX (310) 515-1962

[www.jwmiller.com](http://www.jwmiller.com)