

Chip Inductors



Model PM0603 Series is currently available, although not recommended for new designs. Model [CW160808](#) is preferred.

Special Features

- Ceramic core, wirewound for superior reliability
- High self-resonant frequency
- Very stable electrical characteristics
- Flat top surface for automated pick & place
- Operating temperature -40 to +125 °C
- Tape & reel packaged 3000/reel

Typical Applications

- Small cellular phones
- PDA
- Pagers
- Handheld organizers
- High frequency wireless communication devices
- Laptop computers
- Network cards
- Industrial electronics
- Entertainment electronic devices

Notes

- * Current to cause approx. 15 °C of temperature rise

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

PM0603 Series								Bourns Equivalent
Part Number	L (nH) ± 0.3 nH	Q Min.	Text Freq. (MHz)	Q Typ. @ 900Mz	SRF (MHz) Min.	DCR (Ω) Max.	I _{dc} * (mA)	
PM0603-2N2-RC	2.2	18	250	38	6900	0.08	700	CW160808
PM0603-3N9-RC	3.9	22	250	48	6900	0.08	700	
PM0603-4N7-RC	4.7	20	250	47	5800	0.13	700	
	±5 %							
PM0603-6N8J-RC	6.8	28	250	60	5800	0.11	700	
PM0603-8N2J-RC	8.2	30	250	62	4600	0.11	700	
PM0603-10NJ-RC	10	30	250	60	4800	0.15	700	
PM0603-12NJ-RC	12	30	250	65	4000	0.13	700	
PM0603-15NJ-RC	15	35	250	69	4000	0.17	700	
PM0603-18NJ-RC	18	35	250	75	3100	0.17	700	
PM0603-22NJ-RC	22	38	250	70	3000	0.19	700	
PM0603-27NJ-RC	27	40	250	75	2800	0.23	700	
PM0603-33NJ-RC	33	43	250	78	2300	0.23	600	
PM0603-39NJ-RC	39	43	250	60	2200	0.25	600	
PM0603-47NJ-RC	47	40	200	65	2000	0.28	600	
PM0603-56NJ-RC	56	40	200	65	1900	0.31	600	
PM0603-68NJ-RC	68	40	200	55	1700	0.34	600	
PM0603-72NJ-RC	72	35	150	53	1700	0.49	400	
PM0603-82NJ-RC	82	35	150	55	1700	0.54	400	
	(μH)							
PM0603-R10J-RC	0.10	35	150	50	1400	0.58	400	
PM0603-R12J-RC	0.12	35	150	40	1300	0.65	300	
PM0603-R15J-RC	0.15	30	150	28	990	0.92	280	
PM0603-R18J-RC	0.18	30	100	22	990	1.25	240	
PM0603-R22J-RC	0.22	30	100	20	990	2.10	200	
PM0603-R27J-RC	0.27	30	100	10	990	2.30	170	

“-RC” suffix indicates RoHS compliance.

