

# 0603 Multilayer Chip Inductors, General Applications

## PM0603G Series

Part Number	L (μH) ± 5%	Q Typ.	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (Ω) Max.	I, DC (mA)*
PM0603G-R047J	0.047	10	50	260	0.30	50
PM0603G-R068J	0.068	10	50	250	0.30	50
PM0603G-R082J	0.082	10	50	245	0.30	50
PM0603G-R10J	0.10	15	25	240	0.50	50
PM0603G-R12J	0.12	15	25	205	0.50	50
PM0603G-R15J	0.15	15	25	180	0.60	50
PM0603G-R18J	0.18	15	25	165	0.60	50
PM0603G-R22J	0.22	15	25	150	0.80	50
PM0603G-R27J	0.27	15	25	136	0.80	50
PM0603G-R33J	0.33	15	25	125	0.85	35
PM0603G-R39J	0.39	15	25	110	1.00	35
PM0603G-R47J	0.47	15	25	105	1.35	35
PM0603G-R56J	0.56	15	25	95	1.55	35
PM0603G-R68J	0.68	15	25	80	1.70	35
PM0603G-R82J	0.82	15	25	75	2.10	35
PM0603G-1R0J	1.0	30	10	70	0.60	25
PM0603G-1R2J	1.2	30	10	60	0.80	25
PM0603G-1R5J	1.5	30	10	55	0.80	25
PM0603G-1R8J	1.8	30	10	50	0.95	25
PM0603G-2R2J	2.2	30	10	45	1.15	15
PM0603G-2R7J	2.7	30	10	40	1.35	15
	L(uH) ± 10%					
PM0603G-3R3K	3.3	30	10	38	1.55	15
PM0603G-3R9K	3.9	30	10	36	1.70	15
PM0603G-4R7K	4.7	30	10	33	2.10	15
PM0603G-5R6K	5.6	30	4	22	1.55	15
PM0603G-6R8K	6.8	30	4	20	1.70	15
PM0603G-8R2K	8.2	30	4	18	2.10	15
PM0603G-100K	10	30	2	17	2.55	15

### Special Features:

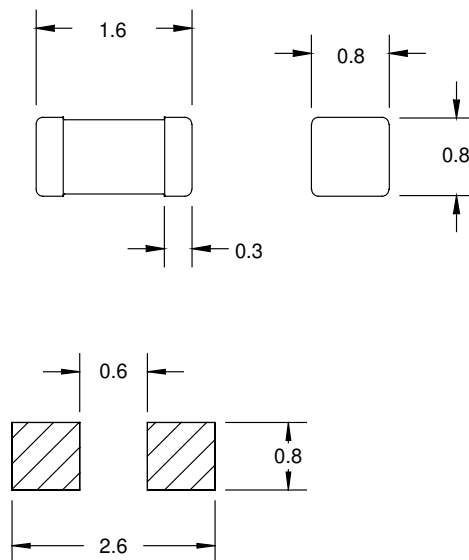
- ISO 9001 & QS9000 Certified °
- Monolithic construction provides high reliability
- High Q characteristic
- High frequency application
- Ferrite material construction provides magnetic shielding to reduce radiation
- Operating temperature -25 to +105°C
- Tape & reel package 4000/reel

### 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
- ° Through Taiwan Manufacturing Facilities



Pad Layout

Tol:  $\pm 0.15$   
Dim: mm

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