

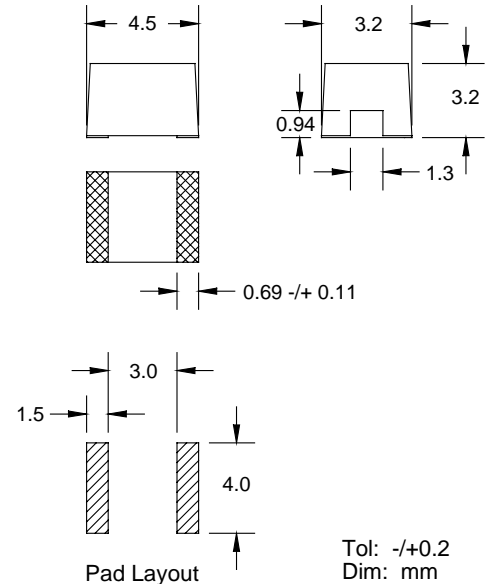
# 1812 Chip Inductors

## PM40 Series

Part Number	L (μH) ± 20%	Q Min	Test Freq. (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	I, DC (mA)
PM40-R10M	0.10	28	25.2	700	0.44	450
PM40-R12M	0.12	30	25.2	500	0.22	450
PM40-R15M	0.15	30	25.2	450	0.25	450
PM40-R18M	0.18	30	25.2	400	0.28	450
PM40-R22M	0.22	30	25.2	350	0.32	450
PM40-R27M	0.27	30	25.2	320	0.36	450
PM40-R33M	0.33	30	25.2	300	0.40	450
PM40-R39M	0.39	30	25.2	350	0.45	450
PM40-R47M	0.47	30	25.2	320	0.50	450
PM40-R56M	0.56	30	25.2	180	0.55	450
PM40-R68M	0.68	30	25.2	160	0.60	450
PM40-R82M	0.82	30	25.2	140	0.67	450
	L (μH) ± 10%					
PM40-1R0K	1.0	50	7.96	100	0.50	450
PM40-1R2K	1.2	50	7.96	80	0.55	430
PM40-1R5K	1.5	50	7.96	70	0.60	410
PM40-1R8K	1.8	50	7.96	60	0.65	390
PM40-2R2K	2.2	50	7.96	55	0.70	380
PM40-2R7K	2.7	50	7.96	50	0.75	370
PM40-3R3K	3.3	50	7.96	45	0.80	355
PM40-3R9K	3.9	50	7.96	40	0.90	330
PM40-4R7K	4.7	50	7.96	35	1.0	315
PM40-5R6K	5.6	50	7.96	33	1.1	300
PM40-6R8K	6.8	50	7.96	27	1.2	285
PM40-8R2K	8.2	50	7.96	25	1.4	270
PM40-100K	10	50	2.52	20	1.6	250
PM40-120K	12	50	2.52	18	2.0	225
PM40-150K	15	50	2.52	17	2.5	200
PM40-180K	18	50	2.52	15	2.8	190
PM40-220K	22	50	2.52	13	3.2	180
PM40-270K	27	50	2.52	12	3.6	170
PM40-330K	33	50	2.52	11	4.0	160
PM40-390K	39	50	2.52	10	4.5	150
PM40-470K	47	50	2.52	10	5.0	140
PM40-560K	56	50	2.52	9	5.5	135
PM40-680K	68	50	2.52	9	6.0	130
PM40-820K	82	50	2.52	8	7.0	120
PM40-101K	100	40	0.796	7	8.0	110
PM40-121K	120	40	0.796	6	8.0	110
PM40-151K	150	40	0.796	5	9.0	105
PM40-181K	180	40	0.796	5	9.5	102
PM40-221K	220	40	0.796	4	10	100
PM40-271K	270	30	0.796	3	18	92
PM40-331K	330	30	0.796	3	20	85
PM40-391K	390	30	0.796	3	23	80
PM40-471K	470	30	0.796	3	26	62
PM40-561K	560	30	0.796	2	30	50
PM40-681K	680	30	0.796	2	40	50
PM40-821K	820	30	0.796	2	45	30
PM40-102K	1000	30	0.796	2	50	30

### Special Features:

- Molded construction for high reliability
- Superior environmental protection
- Large terminal surface for strong PCB bonding
- Core material:
  - Non magnetic, from 0.10 to 0.82μH
  - Iron powder, from 1.0 to 120μH
  - Ferrite, from 150 to 1000μH
- Operating temperature -55 to +125°C
- Current to cause 20°C maximum temperature rise
- Tape & reel packaged 500/reel



The PM40 Series is Not Recommended for New Designs, it is Superseded by the PM1812 Series

**J.W. Miller**

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