

Chip Inductors



Model PM1812 Series is currently available, although not recommended for new designs. [Model CM453232](#) is preferred.

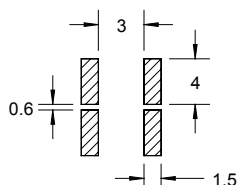
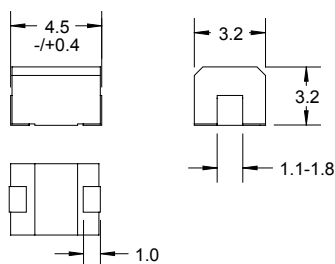
Special Features

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture
- Operating temperature -55 to +105 °C
- Tape & reel packaged 500/reel

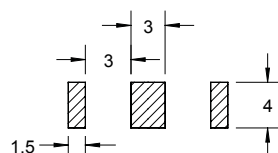
Notes

- * Current to cause 20 °C max. temperature rise

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



Parallel Connection



Series Connection

Pad Layout

Dimensions: mm
Tolerance: +/-0.2

PM1812 Series

Part Number	L (μH) ± 10 %	Q Min.	Test Freq. (MHz)	SRF (MHz) Max.	DCR (Ω) Max.	I, DC * (mA)	Bourns Equivalent
PM1812-R10K-RC	0.10	28	25.2	300	0.18	800	
PM1812-R12K-RC	0.12	30	25.2	280	0.20	770	
PM1812-R15K-RC	0.15	30	25.2	250	0.22	730	
PM1812-R18K-RC	0.18	30	25.2	220	0.24	700	
PM1812-R22K-RC	0.22	30	25.2	200	0.25	665	
PM1812-R27K-RC	0.27	30	25.2	180	0.26	635	
PM1812-R33K-RC	0.33	30	25.2	165	0.28	605	
PM1812-R39K-RC	0.39	30	25.2	150	0.30	575	
PM1812-R47K-RC	0.47	30	25.2	145	0.32	545	
PM1812-R56K-RC	0.56	30	25.2	140	0.36	520	
PM1812-R68K-RC	0.68	30	25.2	135	0.40	500	
PM1812-R82K-RC	0.82	30	25.2	130	0.45	475	
±5 %							
PM1812-1R0J-RC	1.0	50	7.96	100	0.50	450	
PM1812-1R2J-RC	1.2	50	7.96	80	0.55	430	
PM1812-1R5J-RC	1.5	50	7.96	70	0.60	410	
PM1812-1R8J-RC	1.8	50	7.96	60	0.65	390	
PM1812-2R2J-RC	2.2	50	7.96	55	0.70	380	
PM1812-2R7J-RC	2.7	50	7.96	50	0.75	370	
PM1812-3R3J-RC	3.3	50	7.96	45	0.80	355	
PM1812-3R9J-RC	3.9	50	7.96	40	0.90	330	
PM1812-4R7J-RC	4.7	50	7.96	35	1.0	315	
PM1812-5R6J-RC	5.6	50	7.96	33	1.1	300	
PM1812-6R8J-RC	6.8	50	7.96	27	1.2	285	
PM1812-8R2J-RC	8.2	50	7.96	25	1.4	270	
PM1812-100J-RC	10	50	2.52	20	1.6	250	CM453232
PM1812-120J-RC	12	50	2.52	18	2.0	225	
PM1812-150J-RC	15	50	2.52	17	2.5	200	
PM1812-180J-RC	18	50	2.52	15	2.8	190	
PM1812-220J-RC	22	50	2.52	13	3.2	180	
PM1812-270J-RC	27	50	2.52	12	3.6	170	
PM1812-330J-RC	33	50	2.52	11	4.0	160	
PM1812-390J-RC	39	50	2.52	10	4.5	150	
PM1812-470J-RC	47	50	2.52	10	5.0	140	
PM1812-560J-RC	56	50	2.52	9	5.5	135	
PM1812-680J-RC	68	50	2.52	9	6.0	130	
PM1812-820J-RC	82	50	2.52	8	7.0	120	
PM1812-101J-RC	100	40	0.796	7	8.0	110	
PM1812-121J-RC	120	40	0.796	6	8.0	110	
PM1812-151J-RC	150	40	0.796	5	9.0	105	
PM1812-181J-RC	180	40	0.796	5	9.5	102	
PM1812-221J-RC	220	40	0.796	4	10	100	
PM1812-271J-RC	270	30	0.796	3	12	92	
PM1812-331J-RC	330	30	0.796	3	14	85	
PM1812-391J-RC	390	30	0.796	3	18	80	
PM1812-471J-RC	470	30	0.796	3	26	62	
PM1812-561J-RC	560	30	0.796	2	30	50	
PM1812-681J-RC	680	30	0.796	2	30	50	
PM1812-821J-RC	820	30	0.796	2	35	30	
PM1812-102J-RC	1000	30	0.796	2	40	30	

“-RC” suffix indicates RoHS compliance.

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