

Multilayer Chip Inductors



Model PM1812G Series is currently available, although not recommended for new designs. [Model CM453232](#) is preferred.

Special Features

- Monolithic construction provides high reliability
- High Q characteristic
- High frequency application
- Ferrite material construction provides magnetic shielding to reduce radiation
- Low profile
- Operating temperature -25 to +125 °C
- Tape & reel packaged 1000 / reel

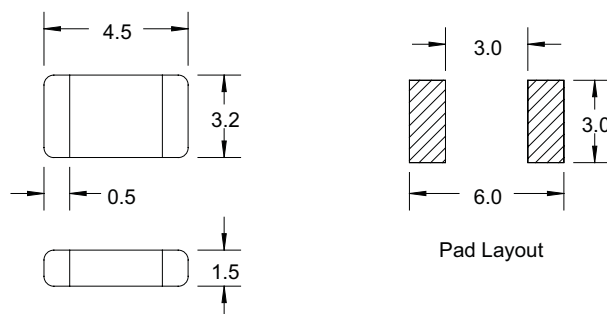
Typical Applications

- Personal computers
- Notebook computers
- Printers
- Hard disk drivers
- Computer peripherals
- Digital TVs, VCRs
- Consumer electronics

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

PM1812G Series							
Part Number	L (μH) ±10 %	Q Min	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	Idc (mA)	Bourns Equivalent
PM1812G-R10K-RC	0.10	35	25.2	300	0.18	800	
PM1812G-R12K-RC	0.12	35	25.2	280	0.20	770	
PM1812G-R15K-RC	0.15	35	25.2	250	0.22	730	
PM1812G-R18K-RC	0.18	35	25.2	220	0.24	700	
PM1812G-R22K-RC	0.22	40	25.2	200	0.25	665	
PM1812G-R27K-RC	0.27	40	25.2	180	0.26	635	
PM1812G-R33K-RC	0.33	40	25.2	165	0.28	605	
PM1812G-R39K-RC	0.39	40	25.2	150	0.30	575	
PM1812G-R47K-RC	0.47	40	25.2	145	0.32	545	
PM1812G-R56K-RC	0.56	40	25.2	140	0.36	520	
PM1812G-R68K-RC	0.68	40	25.2	135	0.40	500	
PM1812G-R82K-RC	0.82	40	25.2	130	0.45	475	
PM1812G-1R0K-RC	1.0	50	7.96	100	0.50	450	
PM1812G-1R2K-RC	1.2	50	7.96	80	0.55	430	
PM1812G-1R5K-RC	1.5	50	7.96	70	0.60	410	
PM1812G-1R8K-RC	1.8	50	7.96	60	0.65	390	CM453232
PM1812G-2R2K-RC	2.2	50	7.96	55	0.70	380	
PM1812G-2R7K-RC	2.7	50	7.96	50	0.75	370	
PM1812G-3R3K-RC	3.3	50	7.96	45	0.80	355	
PM1812G-3R9K-RC	3.9	50	7.96	40	0.90	330	
PM1812G-4R7K-RC	4.7	50	7.96	35	1.0	315	
PM1812G-5R6K-RC	5.6	50	7.96	33	1.1	300	
PM1812G-6R8K-RC	6.8	50	7.96	27	1.2	285	
PM1812G-8R2K-RC	8.2	50	7.96	25	1.4	270	
PM1812G-100K-RC	10	50	2.52	20	1.6	250	
PM1812G-120K-RC	12	50	2.52	18	2.0	225	
PM1812G-150K-RC	15	50	2.52	17	2.5	200	
PM1812G-180K-RC	18	50	2.52	15	2.8	190	
PM1812G-220K-RC	22	50	2.52	13	3.2	180	
PM1812G-270K-RC	27	50	2.52	12	3.6	170	
PM1812G-330K-RC	33	50	2.52	11	4.0	160	

“-RC” suffix indicates RoHS compliance.



Dimensions: mm
Tolerance: ± 0.2

BOURNS®

Tel. (877) 426-8767 • Fax (951) 781-5006

www.bourns.com