

High Current Chip Inductors

Special Features

- High current
- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat, moisture
- Ferrite bobbin core
- Operating temperature -20 to +100 °C
- Tape & reel packaged 500/reel

Typical Applications

- Desktop, notebook computers, servers
- Network hubs, bridges, routers
- xDSL, PBX base stations
- Cell phones, pagers, GPS systems
- PDAs, MP3 players, digital cameras
- Digital TVs, DVDs, cable modems, DSS set-top boxes
- Battery chargers
- High frequency wireless communication devices
- Electronic game devices

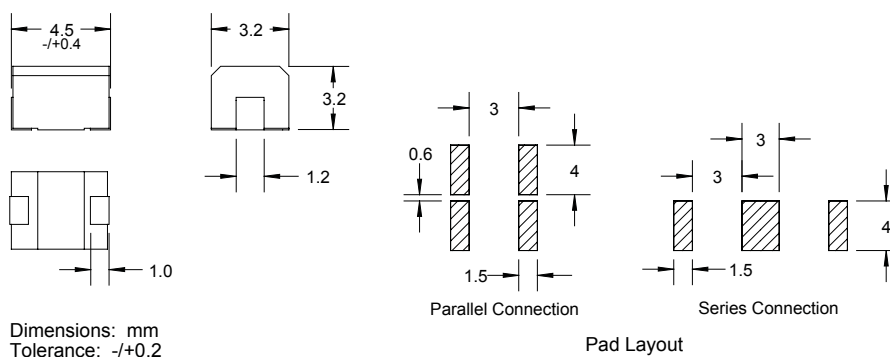
Notes

- * Rated current to cause 20 °C temperature rise
- ** Closest alternative - these models are available on requests as projects only. Please consult a Bourns application engineer for the solution that best suits your needs.

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

PM1812H Series							Bourns Equivalent
Part Number	L (μH) ±10 %	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	I, DC* (mA)	
PM1812H-1R0K-RC	1.0	10	7.96	180.0	0.11	1050	CC453232**
PM1812H-1R2K-RC	1.2	10	7.96	160.0	0.12	1000	
PM1812H-1R5K-RC	1.5	10	7.96	130.0	0.15	950	
PM1812H-1R8K-RC	1.8	10	7.96	100.0	0.16	900	
PM1812H-2R2K-RC	2.2	10	7.96	80.0	0.18	850	
PM1812H-2R7K-RC	2.7	10	7.96	60.0	0.20	800	
PM1812H-3R3K-RC	3.3	10	7.96	45.0	0.22	750	
PM1812H-3R9K-RC	3.9	10	7.96	40.0	0.24	700	
PM1812H-4R7K-RC	4.7	10	7.96	35.0	0.27	650	
PM1812H-5R6K-RC	5.6	10	7.96	30.0	0.30	650	
PM1812H-6R8K-RC	6.8	10	7.96	28.0	0.35	600	
PM1812H-8R2K-RC	8.2	10	7.96	25.0	0.40	600	
PM1812H-100K-RC	10	10	2.52	22.0	0.50	550	
PM1812H-120K-RC	12	10	2.52	21.0	0.60	500	
PM1812H-150K-RC	15	10	2.52	20.0	0.70	450	
PM1812H-180K-RC	18	10	2.52	19.0	0.80	400	
PM1812H-220K-RC	22	10	2.52	18.0	0.90	370	
PM1812H-270K-RC	27	10	2.52	16.0	1.2	330	
PM1812H-330K-RC	33	10	2.52	14.0	1.4	300	
PM1812H-390K-RC	39	10	2.52	12.0	1.6	280	
PM1812H-470K-RC	47	10	2.52	11.5	1.9	260	
PM1812H-560K-RC	56	10	2.52	11.0	2.2	240	
PM1812H-680K-RC	68	10	2.52	10.0	2.6	220	
PM1812H-820K-RC	82	10	2.52	9.0	3.5	200	
PM1812H-101K-RC	100	20	0.796	8.0	4.0	180	
PM1812H-121K-RC	120	20	0.796	7.5	4.5	160	
PM1812H-151K-RC	150	20	0.796	7.0	6.5	140	
PM1812H-181K-RC	180	20	0.796	6.5	7.5	120	
PM1812H-221K-RC	220	20	0.796	5.5	9.0	120	
PM1812H-271K-RC	270	20	0.796	5.0	11.0	100	
PM1812H-331K-RC	330	20	0.796	4.0	13.0	90	
PM1812H-391K-RC	390	30	0.796	3.0	13.5	85	
PM1812H-471K-RC	470	30	0.796	3.0	15.0	75	
PM1812H-561K-RC	560	30	0.796	3.0	17.0	70	
PM1812H-681K-RC	680	30	0.796	2.5	22.8	65	

"-RC" suffix indicates RoHS compliance.



BOURNS®

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

www.bourns.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[PM1812H-100K](#) [PM1812H-101K](#) [PM1812H-120K](#) [PM1812H-121K](#) [PM1812H-150K](#) [PM1812H-151K](#) [PM1812H-180K](#) [PM1812H-181K](#) [PM1812H-1R0K](#) [PM1812H-1R2K](#) [PM1812H-1R5K](#) [PM1812H-1R8K](#) [PM1812H-220K](#) [PM1812H-221K](#) [PM1812H-270K](#) [PM1812H-271K](#) [PM1812H-2R2K](#) [PM1812H-2R7K](#) [PM1812H-330K](#) [PM1812H-331K](#) [PM1812H-390K](#) [PM1812H-391K](#) [PM1812H-3R3K](#) [PM1812H-3R9K](#) [PM1812H-470K](#) [PM1812H-471K](#) [PM1812H-4R7K](#) [PM1812H-560K](#) [PM1812H-561K](#) [PM1812H-5R6K](#) [PM1812H-680K](#) [PM1812H-681K](#) [PM1812H-6R8K](#) [PM1812H-820K](#) [PM1812H-8R2K](#) [PM1812H-100K-RC](#) [PM1812H-8R2K-RC](#) [PM1812H-471K-RC](#) [PM1812H-271K-RC](#) [PM1812H-331K-RC](#) [PM1812H-180K-RC](#) [PM1812H-680K-RC](#) [PM1812H-5R6K-RC](#) [PM1812H-150K-RC](#) [PM1812H-4R7K-RC](#) [PM1812H-2R7K-RC](#) [PM1812H-560K-RC](#) [PM1812H-270K-RC](#) [PM1812H-470K-RC](#) [PM1812H-681K-RC](#) [PM1812H-181K-RC](#) [PM1812H-151K-RC](#) [PM1812H-3R9K-RC](#) [PM1812H-561K-RC](#) [PM1812H-391K-RC](#) [PM1812H-330K-RC](#) [PM1812H-221K-RC](#) [PM1812H-2R2K-RC](#) [PM1812H-121K-RC](#) [PM1812H-1R2K-RC](#) [PM1812H-1R8K-RC](#) [PM1812H-6R8K-RC](#) [PM1812H-820K-RC](#) [PM1812H-101K-RC](#) [PM1812H-390K-RC](#) [PM1812H-1R0K-RC](#) [PM1812H-120K-RC](#) [PM1812H-220K-RC](#) [PM1812H-3R3K-RC](#) [PM1812H-1R5K-RC](#)