Chip Inductors

Model PM1008M Series is obsolete and not recommended for new designs. Model CM252016 is preferred.

Special Features

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat, moisture
- Ferrite bobbin core
- Operating temperature -25 to +85 °C
- Tape & reel packaged 2000/reel

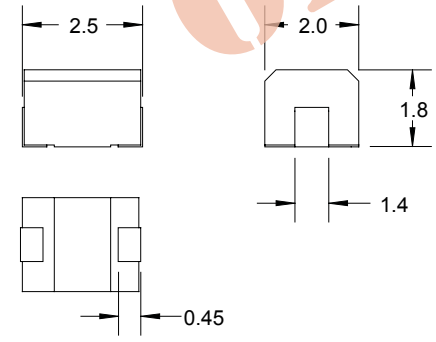
Typical Applications

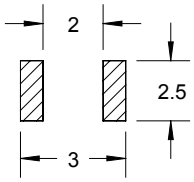
- Desktop, notebook computers, servers
- Network hubs, bridges, routers
- xDSL, PBX base stations
- Cell phones, pagers, GPS systems
- PDAs, MP3 players, digital cameras
- Digital TVs, DVDs, cable modems, DSS set-top boxes
- Battery chargers
- High frequency wireless communication devices
- Electronic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

Notes

* Rated current to cause 20 °C temperature rise

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





Pad Layout

Dimensions: mm
Tolerance: -/+0.2

PM1008M Series

Part Number	L (µH) ±20 %	Q Min	Test Freq. (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	Idc* (mA)	Bourns Equivalent
PM1008M-R010M-RC	0.010	26	100	2150	0.26	530	
PM1008M-R012M-RC	0.012	26	100	2050	0.27	500	
PM1008M-R015M-RC	0.015	26	100	1850	0.31	480	
PM1008M-R018M-RC	0.018	26	100	1650	0.34	450	
PM1008M-R022M-RC	0.022	28	100	1550	0.38	420	
PM1008M-R027M-RC	0.027	29	100	1400	0.42	410	
PM1008M-R033M-RC	0.033	30	100	1250	0.46	400	
PM1008M-R039M-RC	0.039	30	100	1100	0.50	380	
PM1008M-R047M-RC	0.047	30	100	1050	0.56	360	
PM1008M-R056M-RC	0.056	31	100	950	0.65	340	
PM1008M-R068M-RC	0.068	31	100	900	0.70	320	
PM1008M-R082M-RC	0.082	32	100	850	0.75	300	
PM1008M-R10M-RC	0.10	32	100	700	0.80	280	
PM1008M-R12M-RC	0.12	30	25.2	600	0.37	520	
PM1008M-R15M-RC	0.15	30	25.2	550	0.42	480	
PM1008M-R18M-RC	0.18	30	25.2	500	0.46	460	
PM1008M-R22M-RC	0.22	30	25.2	450	0.52	430	
PM1008M-R27M-RC	0.27	30	25.2	425	0.56	420	
PM1008M-R33M-RC	0.33	30	25.2	400	0.60	400	
PM1008M-R39M-RC	0.39	30	25.2	375	0.65	375	
PM1008M-R47M-RC	0.47	30	25.2	350	0.68	350	
PM1008M-R56M-RC	0.56	30	25.2	300	0.75	325	
PM1008M-R68M-RC	0.68	30	25.2	270	0.85	300	
PM1008M-R82M-RC	0.82	30	25.2	250	1.00	260	
	±10 %						CM252016
PM1008M-1R0K-RC	1.0	30	7.96	220	1.10	245	
PM1008M-1R2K-RC	1.2	30	7.96	180	1.20	230	
PM1008M-1R5K-RC	1.5	30	7.96	135	1.30	220	
PM1008M-1R8K-RC	1.8	30	7.96	100	1.45	210	
PM1008M-2R2K-RC	2.2	30	7.96	75	1.55	200	
PM1008M-2R7K-RC	2.7	30	7.96	55	1.70	195	
PM1008M-3R3K-RC	3.3	30	7.96	48	1.90	185	
PM1008M-3R9K-RC	3.9	25	7.96	43	2.10	180	
PM1008M-4R7K-RC	4.7	25	7.96	40	2.30	175	
PM1008M-5R6K-RC	5.6	25	7.96	36	2.50	170	
PM1008M-6R8K-RC	6.8	25	7.96	33	2.70	165	
PM1008M-8R2K-RC	8.2	25	7.96	30	3.05	160	
PM1008M-100K-RC	10	25	2.52	27	3.50	155	
PM1008M-120K-RC	12	25	2.52	23	3.80	150	
PM1008M-150K-RC	15	25	2.52	20	4.40	140	
PM1008M-180K-RC	18	25	2.52	18	4.80	130	
PM1008M-220K-RC	22	25	2.52	17	5.50	125	
PM1008M-270K-RC	27	25	2.52	16	6.30	115	
PM1008M-330K-RC	33	25	2.52	15	7.10	110	
PM1008M-390K-RC	39	20	2.52	14	9.50	90	
PM1008M-470K-RC	47	20	2.52	13	11.1	80	
PM1008M-560K-RC	56	20	2.52	12	12.1	75	
PM1008M-680K-RC	68	20	2.52	11	16.6	70	
PM1008M-820K-RC	82	20	2.52	10	19.0	65	
PM1008M-101K-RC	100	15	0.796	9	21.0	60	

"-RC" suffix indicates RoHS compliance.