Molded Chip Inductors - High current MWH Series

Meisongbei



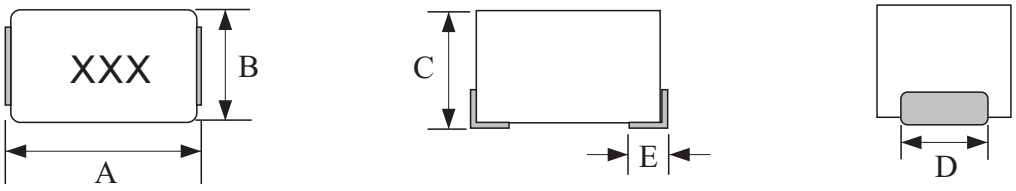
Features

- Monolithic inorganic material construction
- Closed magnetic circuit avoids crosstalk
- S.M.T. Type
- Suitable for flow and eflow soldering.
- Shapes and dimensions follow E.I.A.spec
- Available in various sizes.
- High realiability
- RoHS compliant

Applications

- Mobil Radios
- Modems
- Global Positioning Systems
- Network Systems
- Computer Products
- Mobil Radios
- Cordless Telephones

Dimensions & Configurations (Unit:mm)



Type	A ±0.2	B ±0.2	C±0.2	D ±0.2	E
MWH1210 [322522]	3.2	2.5	2.2	1.2	0.5
MWH1812 [453232]	4.5	3.2	3.2	1.3	1.0

Electrical Characteristics For MWH1210 Series

Part Number	Inductance [uH]	Q (min)	DCR (max) [Ω]	IDC (max) [mA]	SRF (min) [MHz]	Test Freq [MHz]
MWH1210-1R0M	1.0	10	0.156	770	100	7.96
MWH1210-1R5M	1.5	10	0.195	580	80	7.96
MWH1210-2R2M	2.2	10	0.260	480	65	7.96
MWH1210-3R3M	3.3	10	0.325	400	55	7.96
MWH1210-4R7M	4.7	10	0.520	320	45	7.96
MWH1210-6R8M	6.8	10	0.650	280	35	7.96
MWH1210-100K	10	10	1.105	220	28	2.52
MWH1210-150K	15	15	1.69	180	25	2.52
MWH1210-220K	22	15	2.60	145	20	2.52
MWH1210-330K	33	15	3.64	115	15	2.52
MWH1210-390K	39	15	4.50	110	14	2.52
MWH1210-470K	47	15	5.46	105	13	2.52
MWH1210-680K	68	15	8.45	85	10	2.52
MWH1210-820K	82	15	8.71	80	9	2.52
MWH1210-101K	100	15	10.14	75	8	0.796

Electrical Characteristics For MWH1812 Series

Part Number	Inductance [uH]	Q (min)	DCR (max) [Ω]	IDC (max) [mA]	SRF (min) [MHz]	Test Freq [MHz]
MWH1812-1R0K	1.0	10	0.11	1050	180	7.96
MWH1812-1R2K	1.2	10	0.12	1000	160	7.96
MWH1812-1R5K	1.5	10	0.15	950	130	7.96
MWH1812-1R8K	1.8	10	0.16	900	100	7.96
MWH1812-2R2K	2.2	10	0.18	850	80	7.96
MWH1812-2R7K	2.7	10	0.20	800	60	7.96
MWH1812-3R3K	3.3	10	0.22	750	45	7.96
MWH1812-3R9K	3.9	10	0.24	700	40	7.96
MWH1812-4R7K	4.7	10	0.27	650	35	7.96
MWH1812-5R6K	5.6	10	0.30	650	30	7.96
MWH1812-6R8K	6.8	10	0.35	600	28	7.96
MWH1812-8R2K	8.2	10	0.40	600	25	7.96
MWH1812-100K	10	10	0.5	550	22	2.52
MWH1812-120K	12	10	0.6	500	21	2.52
MWH1812-150K	15	10	0.7	450	20	2.52
MWH1812-180K	18	10	0.8	400	19	2.52
MWH1812-220K	22	10	0.9	370	18	2.52
MWH1812-270K	27	10	1.2	330	16	2.52
MWH1812-330K	33	10	1.4	300	14	2.52
MWH1812-390K	39	10	1.6	280	12	2.52
MWH1812-470K	47	10	1.9	260	11.5	2.52
MWH1812-560K	56	10	2.2	240	11.0	2.52
MWH1812-680K	68	10	2.6	220	10.0	2.52
MWH1812-820K	82	10	3.5	200	9.0	2.52
MWH1812-101K	100	20	4.0	180	8.0	0.796
MWH1812-121K	120	20	4.5	160	7.5	0.796
MWH1812-151K	150	20	6.5	140	7.0	0.796
MWH1812-181K	180	20	7.5	120	6.5	0.796
MWH1812-221K	220	20	9	120	5.5	0.796
MWH1812-271K	270	20	11	100	5.0	0.796
MWH1812-331K	330	20	13	90	4.0	0.796