



Features

- High resistance to heat and humidity
- Resistance to mechanical shocks and pressure

General Specifications

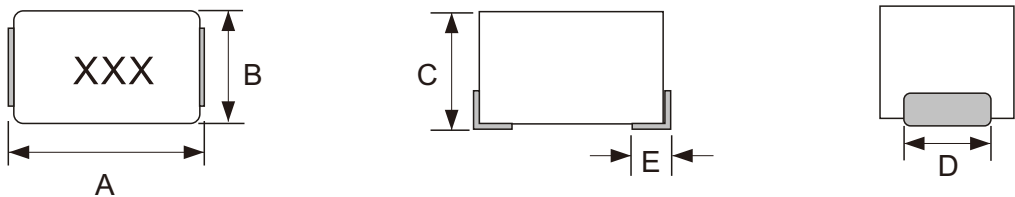
- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +85°C

Applications

- Global Positioning Systems
- Network Systems
- Computer Products
- Cordless Telephones



► Dimensions & Configurations (Unit:mm)



Type	A ±0.2	B ±0.2	C±0.2	D ±0.2	E ±0.2
MW1210 (322522)	3.2	2.5	2.2	1.0	0.6
MW1812 (453232)	4.5	3.2	3.2	1.2	1.0

Package: MW1210: 2000PCS/Reel, MW1812: 500PCS/Reel

► Product Identification

MW1210-1R0J

(1)(2)(3)(4)

- (1) Series Name
- (2) Product Dimensions (L*W Inch)
- (3) Inductance Value (R15:0.15uH / 1R0: 1.0uH / 101: 100uH)
- (4) Inductance Tolerance: M:±20%, K:±10%, J:±5%

► Electrical Characteristics For MW1210 Series

Part Number	Inductance [uH]	Tolerance	Q (min)	DCR (max) [Ω]	IDC (max) [mA]	SRF (min) [MHz]	Test Freq [MHz]
MW1210-R15□	0.15	M	30	0.25	450	450	25.2
MW1210-R18□	0.18	M	30	0.28	450	400	25.2
MW1210-R22□	0.22	M	30	0.32	450	350	25.2
MW1210-R27□	0.27	M	30	0.36	450	320	25.2
MW1210-R33□	0.33	M	30	0.40	450	300	25.2
MW1210-R39□	0.39	M	30	0.45	450	250	25.2
MW1210-R47□	0.47	M	30	0.50	450	220	25.2
MW1210-R56□	0.56	M, K	30	0.55	450	180	25.2
MW1210-R68□	0.68	M, K	30	0.60	450	160	25.2
MW1210-R82□	0.82	M, K	30	0.65	450	140	25.2
MW1210-1R0□	1.0	K, J	30	0.70	400	120	7.96
MW1210-1R2□	1.2	K, J	30	0.75	390	100	7.96
MW1210-1R5□	1.5	K, J	30	0.85	370	85	7.96
MW1210-1R8□	1.8	K, J	30	0.90	350	80	7.96
MW1210-2R2□	2.2	K, J	30	1.0	320	75	7.96
MW1210-2R7□	2.7	K, J	30	1.1	290	70	7.96
MW1210-3R3□	3.3	K, J	30	1.2	260	60	7.96
MW1210-3R9□	3.9	K, J	30	1.3	250	55	7.96
MW1210-4R7□	4.7	K, J	30	1.5	220	50	7.96
MW1210-5R6□	5.6	K, J	30	1.6	200	45	7.96
MW1210-6R8□	6.8	K, J	30	1.8	180	40	7.96
MW1210-8R2□	8.2	K, J	30	2.0	170	35	7.96
MW1210-100□	10	K, J	30	2.1	150	30	2.52
MW1210-120□	12	K, J	30	2.5	140	20	2.52
MW1210-150□	15	K, J	30	2.8	130	20	2.52
MW1210-180□	18	K, J	30	3.3	120	20	2.52
MW1210-220□	22	K, J	30	3.7	110	20	2.52
MW1210-270□	27	K, J	30	5.0	80	20	2.52
MW1210-330□	33	K, J	30	5.6	70	17	2.52
MW1210-390□	39	K, J	30	6.4	65	16	2.52
MW1210-470□	47	K, J	30	7.0	60	15	2.52
MW1210-560□	56	K, J	30	8.0	55	13	2.52
MW1210-680□	68	K, J	30	9.0	50	12	2.52
MW1210-820□	82	K, J	30	10	45	11	2.52
MW1210-101□	100	K, J	20	10	40	10	0.796
MW1210-121□	120	K, J	20	11	70	10	0.796
MW1210-151□	150	K, J	20	15	65	8	0.796
MW1210-181□	180	K, J	20	17	60	7	0.796
MW1210-221□	220	K, J	20	21	50	7	0.796

► Electrical Characteristics For MW1812 Series

Part Number	Inductance [uH]	Tolerance	Q (min)	DCR (max) [Ω]	IDC (max) [mA]	SRF (min) [MHz]	Test Freq [MHz]
MW1812-R10□	0.10	M	35	0.18	800	300	25.2
MW1812-R12□	0.12	M	35	0.20	770	280	25.2
MW1812-R15□	0.15	M	35	0.22	730	250	25.2
MW1812-R18□	0.18	M	35	0.24	700	220	25.2
MW1812-R22□	0.22	M	40	0.25	665	200	25.2
MW1812-R27□	0.27	M	40	0.26	635	180	25.2
MW1812-R33□	0.33	M	40	0.28	605	165	25.2
MW1812-R39□	0.39	M	40	0.30	575	150	25.2
MW1812-R47□	0.47	M	40	0.32	545	145	25.2
MW1812-R56□	0.56	M, K	40	0.36	520	140	25.2
MW1812-R68□	0.68	M, K	40	0.40	500	135	25.2
MW1812-R82□	0.82	M, K	40	0.45	475	130	25.2
MW1812-1R0□	1.0	K, J	50	0.50	450	100	7.96
MW1812-1R2□	1.2	K, J	50	0.55	430	80	7.96
MW1812-1R5□	1.5	K, J	50	0.60	410	70	7.96
MW1812-1R8□	1.8	K, J	50	0.65	390	60	7.96
MW1812-2R2□	2.2	K, J	50	0.70	380	55	7.96
MW1812-2R7□	2.7	K, J	50	0.75	370	50	7.96
MW1812-3R3□	3.3	K, J	50	0.80	355	45	7.96
MW1812-3R9□	3.9	K, J	50	0.90	330	40	7.96
MW1812-4R7□	4.7	K, J	50	1.0	315	35	7.96
MW1812-5R6□	5.6	K, J	50	1.1	300	33	7.96
MW1812-6R8□	6.8	K, J	50	1.2	285	27	7.96
MW1812-8R2□	8.2	K, J	50	1.4	270	25	7.96
MW1812-100□	10	K, J	50	1.6	250	20	2.52
MW1812-120□	12	K, J	50	2.0	225	18	2.52
MW1812-150□	15	K, J	50	2.5	200	17	2.52
MW1812-180□	18	K, J	50	2.8	190	15	2.52
MW1812-220□	22	K, J	50	3.2	180	13	2.52
MW1812-270□	27	K, J	50	3.6	170	12	2.52
MW1812-330□	33	K, J	50	4.0	160	11	2.52
MW1812-390□	39	K, J	50	4.5	150	10	2.52
MW1812-470□	47	K, J	50	5.0	140	10	2.52
MW1812-560□	56	K, J	50	5.5	135	9.0	2.52
MW1812-680□	68	K, J	50	6.0	130	9.0	2.52
MW1812-820□	82	K, J	50	7.0	120	8.0	2.52
MW1812-101□	100	K, J	40	8.0	110	8.0	0.796
MW1812-121□	120	K, J	40	8.0	110	6.0	0.796
MW1812-151□	150	K, J	40	9.0	105	5.0	0.796
MW1812-181□	180	K, J	40	9.5	102	5.0	0.796
MW1812-221□	220	K, J	40	10	100	4.0	0.796
MW1812-271□	270	K, J	40	12	92	4.0	0.796
MW1812-331□	330	K, J	40	14	85	3.5	0.796
MW1812-391□	390	K, J	40	18	80	3.0	0.796
MW1812-471□	470	K, J	40	26	62	3.0	0.796
MW1812-561□	560	K, J	30	30	50	3.0	0.796
MW1812-681□	680	K, J	30	30	50	3.0	0.796
MW1812-821□	820	K, J	30	35	30	2.5	0.796
MW1812-102□	1000	K, J	20	40	30	2.5	0.796