

Wound Ferrite Chip Inductors

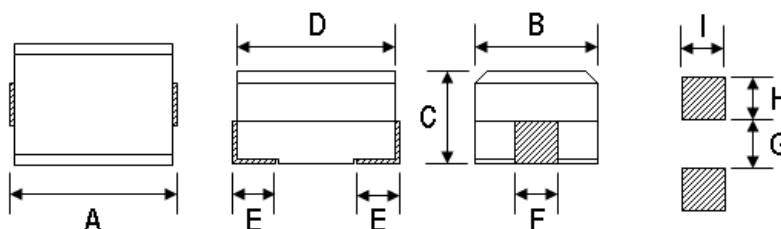
Application Field

- TVs, VCRs and digital cameras
- xDSL and mobile base stations
- Car audio and ECU systems.
- HDDs and ODDs.

Features

- The MWI series features magnetic shielding and is recommended for power supply line applications.
- The product has good heat durability that withstands lead-free compatible reflow soldering conditions.
- Lead-free material is used for the plating on the terminal.
- This product conforms to the standards that are slated to be introduced under the RoHS Directive.

Dimensions and footprint (Unit : mm)



Unit : mm

Size	A	B	C	D	E	F	G	H	I
MWI-252018	2.50±0.3	2.00±0.3	1.80±0.3	2.40±0.3	0.40±0.1	1.40±0.2	1.50	1.00	1.50
MWI-322522	3.20±0.3	2.50±0.3	2.20±0.3	2.90±0.3	0.60±0.2	1.00±0.2	1.80	1.00	1.40
MWI-453232	4.50±0.3	3.20±0.3	3.20±0.3	4.20±0.3	1.00±0.2	1.20±0.2	2.20	1.50	1.60

Part Number Code

MWI - 252018 - 6R8 K
 1 2 3 4

- 1 - Product Code
- 2 - Dimensions Code
- 3 - Inductance = Decimal Point
- 4 - Tolerance : J = ±5%、K = ±10%、M = ±20%

※Operating Temp. : -40°C ~ +125°C

Specification

Part No.	Inductance (μ H)	Q (min)	Test Freq. (MHz)	S.R.F.(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
MWI-252018-R12	0.12	30	25.2	600	0.37	520
MWI-252018-R15	0.15	30	25.2	550	0.42	480
MWI-252018-R18	0.18	30	25.2	500	0.46	460
MWI-252018-R22	0.22	30	25.2	450	0.52	430
MWI-252018-R27	0.27	30	25.2	425	0.56	420
MWI-252018-R33	0.33	30	25.2	400	0.60	400
MWI-252018-R39	0.39	30	25.2	375	0.65	375
MWI-252018-R47	0.47	30	25.2	350	0.68	350
MWI-252018-R56	0.56	30	25.2	300	0.75	325
MWI-252018-R68	0.68	30	25.2	270	0.85	300
MWI-252018-R82	0.82	30	25.2	250	1.00	260
MWI-252018-1R0	1.00	30	7.96	220	1.10	245
MWI-252018-1R2	1.20	30	7.96	180	1.20	230
MWI-252018-1R5	1.50	30	7.96	135	1.30	220
MWI-252018-1R8	1.80	30	7.96	100	1.45	210
MWI-252018-2R2	2.20	30	7.96	75	1.55	200
MWI-252018-2R7	2.70	30	7.96	55	1.70	195
MWI-252018-3R3	3.30	30	7.96	48	1.90	185
MWI-252018-3R9	3.90	30	7.96	43	2.10	180
MWI-252018-4R7	4.70	30	7.96	40	2.30	175
MWI-252018-5R6	5.60	25	7.96	36	2.50	170
MWI-252018-6R8	6.80	25	7.96	33	2.70	165
MWI-252018-8R2	8.20	25	7.96	30	3.05	160
MWI-252018-100	10.0	25	2.52	27	3.50	155
MWI-252018-120	12.0	25	2.52	23	3.80	150
MWI-252018-150	15.0	25	2.52	20	4.40	140
MWI-252018-180	18.0	25	2.52	18	4.80	130
MWI-252018-220	22.0	25	2.52	17	5.50	125
MWI-252018-270	27.0	25	2.52	16	6.30	115
MWI-252018-330	33.0	25	2.52	15	7.10	110
MWI-252018-390	39.0	20	2.52	14	9.50	90
MWI-252018-470	47.0	20	2.52	13	11.10	80
MWI-252018-560	56.0	20	2.52	12	12.10	75
MWI-252018-680	68.0	20	2.52	11	16.60	70
MWI-252018-820	82.0	20	2.52	10	19.00	65
MWI-252018-101	100	15	0.796	9	21.00	60

Specification

Part No.	Inductance (μ H)	Q (min)	Test Freq. (MHz)	S.R.F.(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
MWI-322522-R12	0.12	30	25.2	500	0.220	450
MWI-322522-R15	0.15	30	25.2	450	0.250	450
MWI-322522-R18	0.18	30	25.2	400	0.280	450
MWI-322522-R22	0.22	30	25.2	350	0.320	450
MWI-322522-R27	0.27	30	25.2	320	0.360	450
MWI-322522-R33	0.33	30	25.2	300	0.400	450
MWI-322522-R39	0.39	30	25.2	250	0.450	450
MWI-322522-R47	0.47	30	25.2	220	0.500	450
MWI-322522-R56	0.56	30	25.2	180	0.550	450
MWI-322522-R68	0.68	30	25.2	160	0.600	450
MWI-322522-R82	0.82	30	25.2	140	0.650	450
MWI-322522-1R0	1.00	30	7.96	120	0.700	400
MWI-322522-1R2	1.20	30	7.96	100	0.750	390
MWI-322522-1R5	1.50	30	7.96	70	0.850	370
MWI-322522-1R8	1.80	30	7.96	60	0.900	350
MWI-322522-2R2	2.20	30	7.96	50	1.000	320
MWI-322522-2R7	2.70	30	7.96	45	1.100	290
MWI-322522-3R3	3.30	30	7.96	40	1.200	260
MWI-322522-3R9	3.90	30	7.96	37	1.300	250
MWI-322522-4R7	4.70	30	7.96	32	1.500	220
MWI-322522-5R6	5.60	30	7.96	30	1.600	200
MWI-322522-6R8	6.80	30	7.96	28	1.800	180
MWI-322522-8R2	8.20	30	7.96	25	2.000	170
MWI-322522-100	10.0	30	2.52	23	2.100	150
MWI-322522-120	12.0	30	2.52	20	2.500	140
MWI-322522-150	15.0	30	2.52	20	2.800	130
MWI-322522-180	18.0	30	2.52	20	3.300	120
MWI-322522-220	22.0	30	2.52	20	3.700	110
MWI-322522-270	27.0	30	2.52	20	5.000	80
MWI-322522-330	33.0	30	2.52	17	5.600	70
MWI-322522-390	39.0	30	2.52	16	6.400	65
MWI-322522-470	47.0	30	2.52	15	7.000	60
MWI-322522-560	56.0	30	2.52	13	8.000	55
MWI-322522-680	68.0	30	2.52	12	9.000	50
MWI-322522-820	82.0	30	2.52	11	10.000	45
MWI-322522-101	100	20	0.796	10	11.000	40

Specification

Part No.	Inductance (μ H)	Q (min)	Test Freq. (MHz)	S.R.F.(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
MWI-453232-R10	0.10	35	25.2	300	0.180	800
MWI-453232-R12	0.12	35	25.2	280	0.200	770
MWI-453232-R15	0.15	35	25.2	250	0.220	730
MWI-453232-R18	0.18	35	25.2	220	0.240	700
MWI-453232-R22	0.22	40	25.2	200	0.250	665
MWI-453232-R27	0.27	40	25.2	180	0.260	635
MWI-453232-R33	0.33	40	25.2	165	0.280	605
MWI-453232-R39	0.39	40	25.2	150	0.300	575
MWI-453232-R47	0.47	40	25.2	145	0.320	545
MWI-453232-R56	0.56	40	25.2	140	0.360	520
MWI-453232-R68	0.68	40	25.2	135	0.400	500
MWI-453232-R82	0.82	40	25.2	130	0.450	475
MWI-453232-1R0	1.00	50	7.96	100	0.500	450
MWI-453232-1R2	1.20	50	7.96	80	0.550	430
MWI-453232-1R5	1.50	50	7.96	70	0.600	410
MWI-453232-1R8	1.80	50	7.96	60	0.650	390
MWI-453232-2R2	2.20	50	7.96	55	0.700	380
MWI-453232-2R7	2.70	50	7.96	50	0.750	370
MWI-453232-3R3	3.30	50	7.96	45	0.800	355
MWI-453232-3R9	3.90	50	7.96	40	0.900	330
MWI-453232-4R7	4.70	50	7.96	35	1.000	315
MWI-453232-5R6	5.60	50	7.96	33	1.100	300
MWI-453232-6R8	6.80	50	7.96	27	1.200	285
MWI-453232-8R2	8.20	50	7.96	25	1.400	270
MWI-453232-100	10.0	50	2.52	20	1.600	250
MWI-453232-120	12.0	50	2.52	18	2.000	225
MWI-453232-150	15.0	50	2.52	17	2.500	200
MWI-453232-180	18.0	50	2.52	15	2.800	190
MWI-453232-220	22.0	50	2.52	13	3.200	180
MWI-453232-270	27.0	50	2.52	12	3.600	170
MWI-453232-330	33.0	50	2.52	11	4.000	160
MWI-453232-390	39.0	50	2.52	10	4.500	150
MWI-453232-470	47.0	50	2.52	10	5.000	140
MWI-453232-560	56.0	50	2.52	9	5.500	135
MWI-453232-680	68.0	50	2.52	9	6.000	130
MWI-453232-820	82.0	50	2.52	8	7.000	120
MWI-453232-101	100	40	0.796	8	8.000	110

Part No.	Inductance (μ H)	Q (min)	Test Freq. (MHz)	S.R.F.(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
MWI-453232-121	120	40	0.796	6	8.000	110
MWI-453232-151	150	40	0.796	5	9.000	105
MWI-453232-181	180	40	0.796	5	9.500	102
MWI-453232-221	220	40	0.796	4	10.000	100
MWI-453232-271	270	40	0.796	4	12.000	92
MWI-453232-331	330	40	0.796	3.5	14.000	85
MWI-453232-391	390	40	0.796	3	18.000	80
MWI-453232-471	470	40	0.796	3	26.000	62
MWI-453232-561	560	30	0.796	3	30.000	50
MWI-453232-681	680	30	0.796	3	30.000	50
MWI-453232-821	820	30	0.796	2.5	35.000	30
MWI-453232-102	1000	20	0.252	2.5	40.000	30