

# MULTILAYER FERRITE CHIP INDUCTORS

Part number	Inductance ( $\mu$ H)	Q Min.	L.Q. Test Frequency (MHz)	Self Resonant Frequency (MHz)	DC Resistance ( $\Omega$ ) Max.	Rated Current (mA)Max.
WL201209F33N N	0.033	20	50	320	0.15	100
WL201209F47N N	0.047	20	50	300	0.15	100
WL201209F56N N	0.056	20	50	290	0.25	100
WL201209F68N N	0.068	20	50	280	0.25	100
WL201209F82N N	0.082	20	50	250	0.3	100
WL201209FR10 N	0.10	20	25	230	0.3	100
WL201209FR12 N	0.12	20	25	220	0.3	100
WL201209FR15 N	0.15	20	25	200	0.3	100
WL201209FR18 N	0.18	20	25	185	0.4	100
WL201209FR22 N	0.22	20	25	170	0.4	100
WL201209FR27 N	0.27	20	25	150	0.4	100
WL201209FR33 N	0.33	20	25	145	0.5	100
WL201209FR39 N	0.39	20	25	135	0.5	100
WL201209FR47 N	0.47	20	25	125	0.5	100
WL201209FR56 N	0.56	20	25	115	0.5	100
WL201209FR68 N	0.68	20	25	105	0.5	100
WL201209FR82 N	0.82	20	25	100	0.5	100
WL201209C1R0 N	1.0	20	10	75	0.4	100
WL201209C1R2 N	1.2	20	10	65	0.4	100
WL201209C1R5 N	1.5	20	10	60	0.4	50
WL201209C1R8 N	1.8	20	10	55	0.4	50
WL201209C2R2 N	2.2	20	10	50	0.5	50
WL201209C2R7 N	2.7	20	10	45	0.6	50
WL201209C3R3 N	3.3	20	10	40	0.7	50
WL321611F33N N	0.033	20	50	320	0.15	100
WL321611F47N N	0.047	20	50	300	0.15	100
WL321611F56N N	0.056	20	50	290	0.25	100
WL321611F68N N	0.068	20	50	280	0.25	100
WL321611F82N N	0.082	20	50	250	0.3	100
WL321611FR10 N	0.10	20	25	230	0.3	100
WL321611FR12 N	0.12	20	25	220	0.3	100
WL321611FR15 N	0.15	20	25	200	0.3	100
WL321611FR18 N	0.18	20	25	185	0.4	100
WL321611FR22 N	0.22	20	25	170	0.4	100
WL321611FR27 N	0.27	20	25	150	0.4	100
WL321611FR33 N	0.33	20	25	145	0.5	100
WL321611FR39 N	0.39	20	25	135	0.5	100

WL321611FR47 N	0.47	20	25	125	0.5	100
WL321611FR56 N	0.56	20	25	115	0.5	100
WL321611FR68 N	0.68	20	25	105	0.5	100
WL321611FR82 N	0.82	20	25	100	0.5	100
WL321611C1R0 N	1.0	20	10	75	0.4	100
WL321611C1R2 N	1.2	20	10	65	0.4	100
WL321611C1R5 N	1.5	20	10	60	0.4	50
WL321611C1R8 N	1.8	20	10	55	0.4	50
WL321611C2R2 N	2.2	20	10	50	0.5	50
WL321611C2R7 N	2.7	20	10	45	0.5	50
WL321611C3R3 N	3.3	20	10	40	0.5	50
WL321611C3R9 N	3.9	20	10	38	0.5	50
WL321611C4R7 N	4.7	20	10	35	0.5	50
WL321611B5R6 N	5.6	20	4	32	0.8	50
WL321611B6R8 N	6.8	20	4	30	0.8	50
WL321611B8R2 N	8.2	20	4	26	0.8	50
WL321611B100 N	10	20	4	24	1.0	50
WL321611B120 N	12	20	4	22	1.0	50

**NEW**

## MULTILAYER GLASS CERAMIC HIGH FREQUENCY CHIP INDUCTORS

Part number	Inductance (Nh)	Q Min.	L.Q. Test Frequency (MHZ)	Self Resonant Frequency (MHZ)	DC Resistance ( $\Omega$ ) Max.	Rated Current (mA)Max.
WL201209L1N5SN	1.5	4	100	> 1800	0.1	300
WL201209L1N8SN	1.8	4	100	> 1800	0.1	300
WL201209L2N2SN	2.2	4	100	> 1800	0.1	300
WL201209L2N7SN	2.7	4	100	> 1800	0.1	300
WL201209L3N3 N	3.3	4	100	> 1800	.015	300
WL201209L3N9 N	3.9	4	100	> 1800	0.15	300
WL201209L4N7 N	4.7	4	100	> 1800	0.20	300
WL201209L5N6 N	5.6	4	100	> 1800	0.25	300
WL201209L6N8 N	6.8	5	100	> 1800	0.25	300
WL201209L8N2 N	8.2	5	100	> 1800	0.25	300
WL201209L10N N	10	5	100	> 1000	0.30	300
WL201209L12N N	12	6	100	> 1000	0.30	300
WL201209L15N N	15	6	100	> 1000	0.40	300
WL201209L18N N	18	6	100	> 1000	0.40	300
WL201209L22N N	22	8	100	> 1000	0.40	300

WL201209L27N N	27	8	100	> 1000	0.50	300
WL201209L33N N	33	8	100	> 1000	0.50	300
WL201209L47N N	47	8	100	>1000	0.50	300
WL201209L56N N	56	8	100	> 1000	0.50	300

## ELECTRICAL PERFORMANCES TEST

Test Items	Test Instruments
D.C. Resistance	HP 3478A Multimeter HP 4338A Milliohm Meter
Impedance, Z Inductance, L Quality Factor, Q	HP 4286 RF LCR Meter HP 4195A Network Analyzer HP 4291A Impedance / Material Analyzer
Rated Current	HP4291A HP6030A Power Supply

## PACKINGS ON TAPE AND REEL

Chip Size	Tape Material	Tape Width	pcs / reel
160808 (0603)	paper	8mm	4000
201209 (0805)	paper or plastic	8mm	4000
321611 (1206)	plastic	8mm	3000
321616 (1206)	plastic	8mm	2000
322513 (1210)	plastic	8mm	2000
451613 (1806)	plastic	12mm	2000
453215 (1812)	plastic	12mm	1000