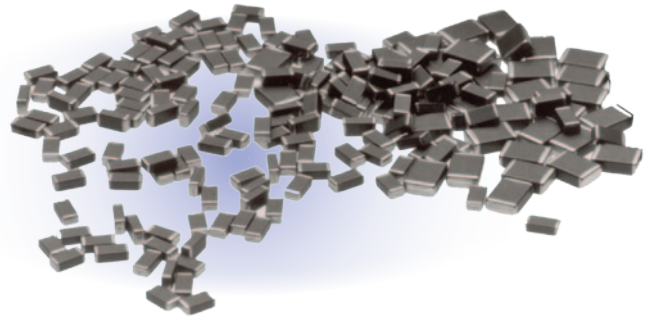


FERRITE EMI CHIP BEADS

FEATURES

- Up to 10 Amps (I MAX) continuous operating capability
- Monolithic construction with small footprint and high reliability
- Excellent retention under bias
- Economical
- Broad range of sizes (from EIA 0201 up to 3312)
- For power line, low frequency and high frequency signal lines



PART NUMBERING SYSTEM

HZ	0402	A	601	R	-10
Product Series Code	EIA Size Code	Rated Current Code	Impedance Value Code	Packing Code	Additional Description

FOR SIGNAL LINE

METRIC PKG. SIZE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) mA
		Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
0603	LI0201C330R-10	7	33	113	153	171	1,646	0.5	300
0603	LI0201C560R-10	11	56	186	252	268	1,347	0.6	300
0603	LI0201B800R-10	31	80	195	224	225	978	0.8	200
0603	LI0201C800R-10	18	80	335	428	434	903	0.6	300
0603	LI0201E800R-10	41	80	119	116	120	605	0.5	500
0603	LI0201B121R-10	39	120	247	269	275	800	0.8	200
0603	LI0201C121R-10	59	120	189	182	190	630	0.7	300
0603	LI0201B241R-10	81	240	586	321	619	390	1	200
0603	HZ0201A601R-10	304	600	590	334	752	220	1.5	100
1005	LI0402E190R-10	6	19	43	56	59	1,519	0.1	500
1005	LI0402C220R-10	9	22	30	31	31	830	0.2	300
1005	LI0402E300R-10	9	30	50	57	58	1,195	0.3	500
1005	LI0402C470R-10	15	47	76	90	92	1,402	0.15	300
1005	LI0402E600R-10	29	60	90	57	97	801	0.3	500
1005	LI0402B800R-10	32	80	220	224	243	769	0.8	200
1005	LI0402D121R-10	40	120	205	195	213	682	0.4	400
1005	LI0402C221R-10	72	220	443	243	453	440	0.35	300
1005	LI0402B301R-10	96	300	454	351	549	374	0.8	200
1005	HZ0402A601R-10	182	600	600	300	965	241	1	100
1005	HZ0402B102R-10	225	1,000	489	222	1,116	182	1	200
1005	HZ0402A152R-10	400	1,500	441	200	1,500	143	2	50
1608	LI0603E470R-10	17	47	83	91	91	1,000	0.1	500
1608	LI0603G800R-10	32	80	100	91	100	500	0.2	700
1608	LI0603G121R-10	52	120	156	113	177	389	0.2	700
1608	LI0603E151R-10	61	150	197	131	209	331	0.25	500
1608	LI0603B201R-10	70	200	340	210	362	420	0.4	200
1608	LI0603G221R-10	98	220	279	168	283	251	0.3	700
1608	LI0603D301R-10	144	300	286	165	389	261	0.35	400
1608	HZ0603B471R-10	94	470	560	253	1060	240	0.85	200
1608	HZ0603C601R-10	232	600	360	171	775	168	0.45	300
1608	HZ0603C651R-10	296	650	954	652	960	400	0.6	300
1608	HZ0603B751R-10	302	750	437	198	863	137	0.6	200
1608	HZ0603B102R-10	453	1,000	380	200	1,000	100	0.6	200

FERRITE EMI CHIP BEADS

FOR SIGNAL LINE

METRIC PKG. SIZE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) mA
		Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
1608	HZ0603B112R-10	515	1,100	1,300	850	1,539	288	0.8	200
1608	HZ0603A152R-10	552	1,500	1,062	503	2,306	190	0.9	100
1608	HZ0603C152R-10	319	1,500	462	190	1,493	135	0.6	300
1608	HZ0603A182R-10	610	1,800	1,070	500	2,420	180	1.5	50
1608	HZ0603A222R-10	195	2,200	375	175	3,051	122	1.5	100
1608	HZ0603A252R-10	791	2,500	1,014	501	3,065	149	1.5	50
2012	LI0805G201R-10	100	200	221	128	272	250	0.3	700
2012	LI0805G301R-10	124	300	248	146	350	205	0.2	700
2012	HZ0805G471R-10	221	470	286	150	572	149	0.2	700
2012	HZ0805E601R-10	277	600	304	151	696	155	0.3	500
2012	HZ0805D102R-10	280	1,000	328	168	1,268	113	0.3	400
2012	MI0805J102R-10	195	1,000	226	108	1,112	120	0.15	1,000
2012	HZ0805D152R-10	289	1,500	333	166	1,525	110	0.4	400
2012	HZ0805C202R-10	350	2,000	300	150	2,000	100	0.5	300
2012	HZ0805B222R-10	648	2,200	419	213	2,200	100	0.8	200
2012	LF0805A252R-10	1,162	2,553	5,138	1,267	5,138	25	1.25	100
2012	HZ0805B272R-10	400	2,700	400	150	2,900	88	0.8	200
3216	LF1206E152R-10	38	150	823	950	1,564	57	0.3	500
3216	LF1206C202R-10	70	300	1,673	915	2,505	41	0.5	300
3216	HZ1206E601R-10	296	600	202	103	674	75	0.3	500
3216	HZ1206C202R-10	1,673	915	180	100	2,505	41	0.5	300
3216	HZ1206E152R-10	823	950	188	57	1,564	57	0.3	500
3216	HZ1206D102R-10	201	1,000	185	100	1,000	100	0.4	400
3216	LF1206A302R-10	1,143	2,743	4,434	740	5,650	19	1.05	100

FOR POWER LINE

METRIC PKG. SIZE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) mA
		Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
0603	LI0201C330R-10	7	33	113	153	171	1,646	0.5	300
0603	LI0201C560R-10	11	56	186	252	268	1,347	0.6	300
0603	LI0201B800R-10	31	80	195	224	225	978	0.8	200
0603	LI0201C800R-10	18	80	335	428	434	903	0.6	300
0603	LI0201E800R-10	41	80	119	116	120	605	0.5	500
0603	LI0201B121R-10	39	120	247	269	275	800	0.8	200
0603	LI0201C121R-10	59	120	189	182	190	630	0.7	300
0603	LI0201B241R-10	81	240	586	321	619	390	1	200
1005	LI0402E190R-10	6	19	43	56	59	1,519	0.1	500
1005	LI0402C220R-10	9	22	30	31	31	830	0.2	300
1005	LI0402E300R-10	9	30	50	57	58	1,195	0.3	500
1005	LI0402C470R-10	15	47	76	90	92	1,402	0.15	300
1005	LI0402E600R-10	29	60	90	57	97	801	0.3	500
1005	LI0402E750R-10	30	75	92	92	93	710	0.1	500
1005	LI0402B800R-10	32	80	220	224	243	769	0.8	200
1005	LI0402D121R-10	40	120	205	195	213	682	0.4	400
1005	MI0402K121R-10	52	120	160	132	160	500	0.13	1500
1005	LI0402C221R-10	72	220	443	243	453	440	0.35	300
1005	LI0402B301R-10	96	300	454	351	549	374	0.8	200
1005	HZ0402B102R-10	225	1,000	489	222	1,116	182	1	200

FERRITE EMI CHIP BEADS

FOR POWER LINE

METRIC PKG. SIZE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) mA
		Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
1608	MI0603K300R-10	12	30	43	45	45	1,000	0.09	1,500
1608	LI0603E470R-10	17	47	83	91	91	1,000	0.1	500
1608	MI0603J600R-10	25	60	91	92	95	700	0.1	1,000
1608	HI0603P600R-10	25	60	85	85	100	750	0.03	4,000
1608	MI0603J680R-10	35	68	106	99	110	650	0.1	1,000
1608	LI0603G800R-10	32	80	100	91	100	500	0.2	700
1608	LI0603G121R-10	52	120	156	113	177	389	0.2	700
1608	MI0603M121R-10	55	120	169	138	170	420	0.05	2,500
1608	LI0603E151R-10	61	150	197	131	209	331	0.25	500
1608	LI0603B201R-10	70	200	340	210	362	420	0.4	200
1608	LI0603G221R-10	98	220	279	168	283	251	0.3	700
1608	MI0603L221R-10	107	220	219	121	240	280	0.05	2,000
1608	LI0603D301R-10	144	300	286	165	389	261	0.35	400
1608	MI0603L301R-10	50	300	225	120	410	200	0.1	2,000
1608	HZ0603B471R-10	94	470	560	253	1060	240	0.85	200
1608	MI0603J471R-10	203	470	398	181	580	210	0.2	1000
1608	HZ0603C601R-10	232	600	360	171	775	168	0.45	300
1608	MI0603J601R-10	225	600	400	200	620	150	0.2	1,000
1608	HZ0603C651R-10	296	650	954	652	960	400	0.6	300
1608	HZ0603B751R-10	302	750	437	198	863	137	0.6	200
1608	HZ0603B102R-10	453	1,000	380	200	1,000	100	0.6	200
1608	HZ0603B112R-10	515	1,100	1,300	850	1,539	288	0.8	200
1608	HZ0603C152R-10	319	1,500	462	190	1,590	135	0.6	300
2012	MI0805K110R-10	5	11	18	19	20	1,000	0.06	1,500
2012	HI0805Q310R-10	12	31	42	44	45	800	0.025	4,500
2012	LI0805H400R-10	18	40	70	76	76	1000	0.15	800
2012	MI0805K400R-10	19	40	60	63	69	903	0.05	1,500
2012	LI0805H750R-10	31	75	128	130	132	769	0.15	800
2012	HI0805R800R-10	38	80	70	38	100	200	0.01	5,000
2012	LI0805H121R-10	53	120	170	114	170	340	0.15	800
2012	HI0805O121R-10	61	120	140	80	167	270	0.02	3,500
2012	LI0805H151R-10	73	150	207	150	210	400	0.15	800
2012	LI0805G201R-10	100	200	221	128	272	250	0.3	700
2012	MI0805M221R-10	100	220	274	115	287	260	0.05	2,500
2012	LI0805G301R-10	124	300	248	146	350	205	0.2	700
2012	MI0805L301R-10	135	300	271	147	350	200	0.06	2,000
2012	MI0805L331R-10	148	330	264	143	197	393	0.06	2000
2012	HZ0805G471R-10	221	470	286	150	572	149	0.2	700
2012	HZ0805E601R-10	277	600	304	151	696	155	0.3	500
2012	MI0805K601R-10	280	600	240	120	723	130	0.1	1,500
2012	HZ0805D102R-10	280	1,000	328	168	1,268	113	0.3	400
2012	MI0805J102R-10	195	1,000	226	108	1,112	120	0.15	1,000
2012	HZ0805D152R-10	289	1,500	333	166	1,525	110	0.4	400
2012	HZ0805C202R-10	350	2,000	300	150	2,000	100	0.5	300
3216	MI1206K260R-10	12	26	44	46	46	1,000	0.06	1,500
3216	MI1206K310R-10	12	31	37	41	41	1,000	0.045	1,500
3216	HI1206T500R-10	19	50	66	70	70	1,000	0.01	6,000
3216	HI1206N800R-10	38	80	120	129	130	800	0.035	3,000
3216	MI1206K900R-10	44	90	142	150	154	867	0.08	1,500
3216	HI1206N101R-10	41	100	144	145	150	600	0.035	3,000
3216	LI1206H121R-10	53	120	144	135	145	422	0.15	800
3216	HI1206P121R-10	56	120	130	105	142	300	0.03	4,000
3216	LI1206H151R-10	73	150	173	123	182	241	0.15	800
3216	HI1206T161R-10	71	160	220	127	229	251	0.018	6,000
3216	MI1206L391R-10	100	390	160	90	460	130	0.05	2,000
3216	MI1206L501R-10	210	500	150	82	500	100	0.06	2,000
3216	HZ1206E601R-10	296	600	202	103	674	75	0.3	500

FERRITE EMI CHIP BEADS

FOR POWER LINE

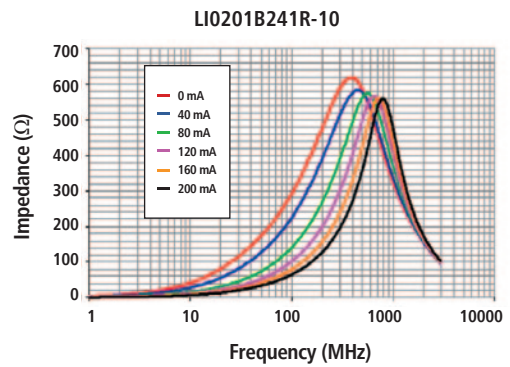
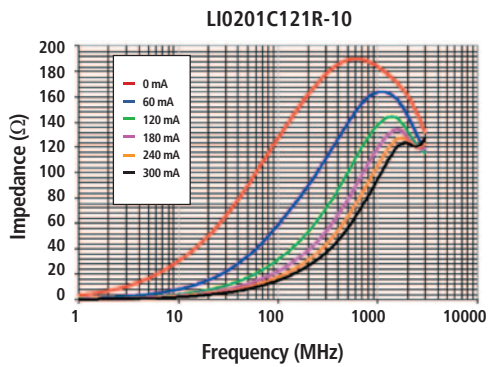
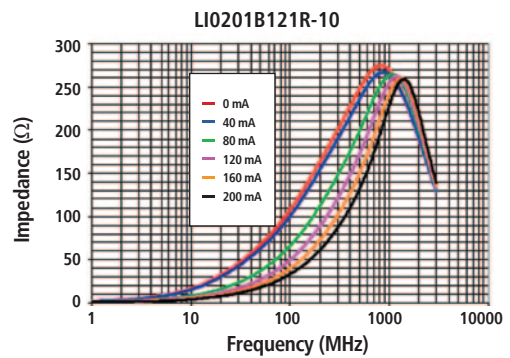
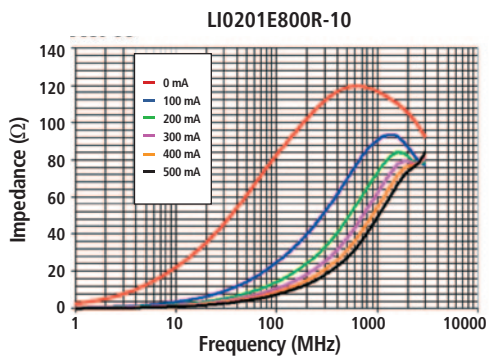
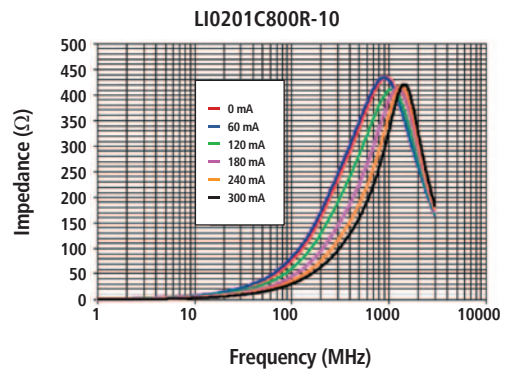
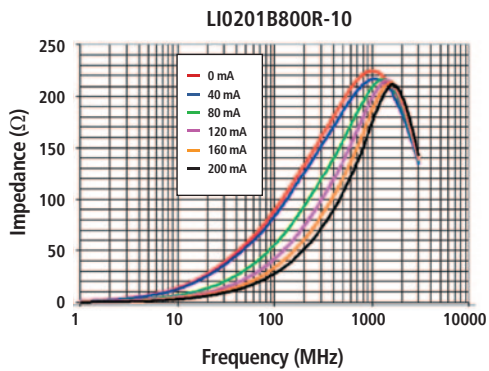
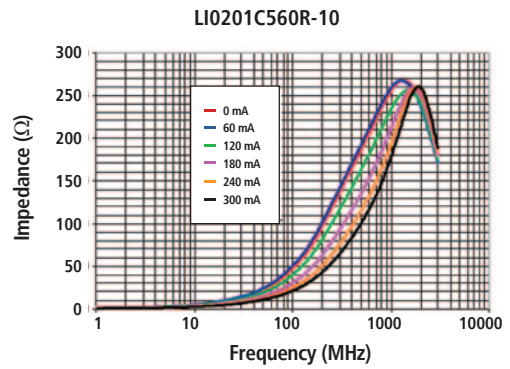
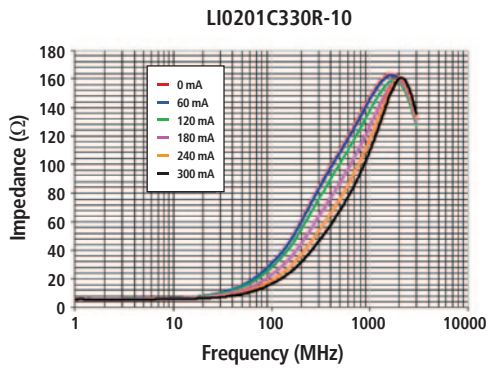
METRIC PKG. SIZE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) mA
		Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
3216	MI1206K601R-10	300	600	250	130	650	80	0.08	1,500
3216	MI1206L601R-10	296	600	116	59	660	79	0.08	2000
3216	HZ1206D102R-10	201	1,000	185	100	1,000	100	0.4	400
3216	HZ1206E152R-10	823	950	188	57	1,564	57	0.3	500
3216	LF1206E152R-10	38	150	823	950	1,564	57	0.3	500
3216	HZ1206C202R-10	1,673	915	180	100	2,505	41	0.5	300
3216	LF1206C202R-10	70	300	1,673	915	2,505	41	0.5	300
3225	MI1210K600R-10	30	60	90	95	105	900	0.035	1,500
4131	HI1612X560R-10	23	56	75	79	79	1,000	0.004	10,000
4516	HI1806T600R-10	28	60	87	92	92	1,000	0.01	6,000
4516	LI1806E800R-10	28	80	117	117	117	1,000	0.3	500
4516	MI1806J800R-10	34	78	114	118	119	903	0.03	1,000
4516	HI1806N910R-10	42	91	140	150	150	1,000	0.03	3,000
4516	LI1806E101R-10	45	100	157	164	166	966	0.3	500
4516	LI1806C151R-10	60	150	219	222	223	871	0.5	300
4516	HZ1806K102R-10	60	1,000	160	80	1,390	135	0.15	1500
4532	HI1812T800R-10	30	80	97	107	107	1,000	0.01	6,000
4532	HI1812V101R-10	45	100	136	134	139	800	0.01	8,000
4532	LI1812D121R-10	55	120	182	184	186	738	0.4	400
4532	MI1812K121R-10	45	120	162	170	175	900	0.055	1,500
5620	HI2220T101R-10	50	100	148	152	160	600	0.006	6,000
5620	HI2220R151R-10	60	150	230	196	230	500	0.015	5,000
5620	HI2220P171R-10	78	170	256	237	256	500	0.03	4,000
5620	HI2220R181R-10	80	180	263	234	270	400	0.02	5,000
5620	HI2220P251R-10	100	250	172	91	390	200	0.015	4,000
5620	HI2220P271R-10	110	270	360	250	390	300	0.035	4,000
5620	HI2220R301R-10	100	300	190	100	380	200	0.02	5,000
5620	HI2220Q401R-10	100	400	159	99	450	150	0.03	4,500
5620	HI2220P551R-10	180	550	670	343	850	300	0.035	4,000
5620	HI2220P601R-10	220	600	184	106	600	100	0.025	4,000
5620	HR2220P601R-10	200	600	150	75	600	100	0.025	4,000
5620	HI2220P701R-10	200	700	140	90	700	100	0.025	4,000
5620	HR2220V701R-10	198	700	120	62	760	91	0.01	8000
5620	HR2220V801R-10	150	800	125	75	910	90	0.01	8,000
8531	HI3312X101R-10	39	100	160	172	172	1,000	0.004	10,000

4 LINES CHIP BEAD ARRAY

METRIC PKG. SIZE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) mA
		Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
3216	DA1206E300R-10	10	30	55	56	56	1,000	0.3	500
3216	DA1206D600R-10	15	60	115	132	133	1,103	0.2	400
3216	DA1206C121R-10	39	120	181	151	211	559	0.2	300
3216	DA1206D301R-10	94	300	437	245	437	500	0.4	400
3216	DA1206B601R-10	180	600	475	230	761	214	0.35	200
3216	DA1206B102R-10	275	1,000	520	240	1,129	175	0.8	200

FERRITE EMI CHIP BEADS

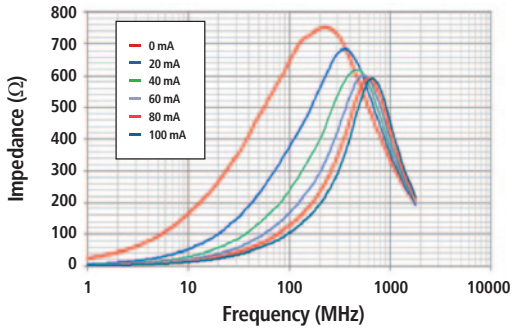
0201 Chip Bead Impedance Under DC Bias



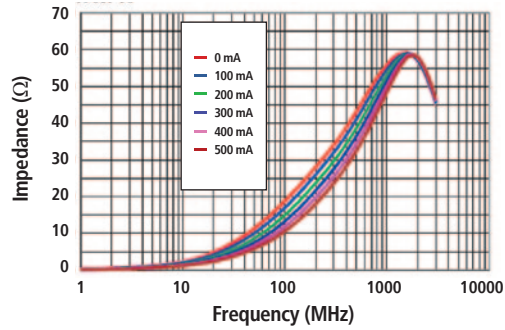
FERRITE EMI CHIP BEADS

0201/0402 Chip Bead Impedance Under DC Bias

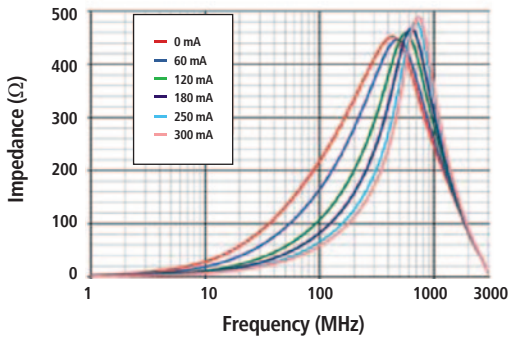
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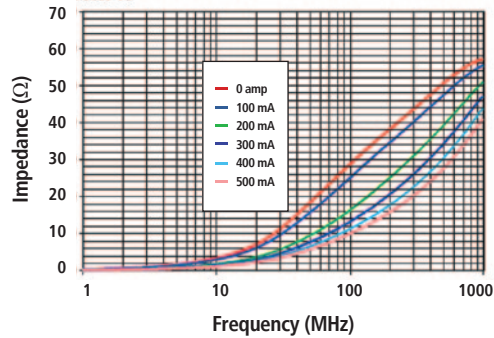
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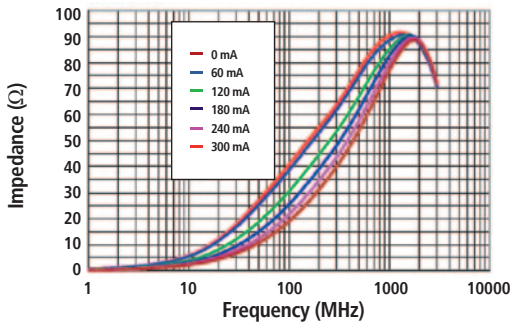
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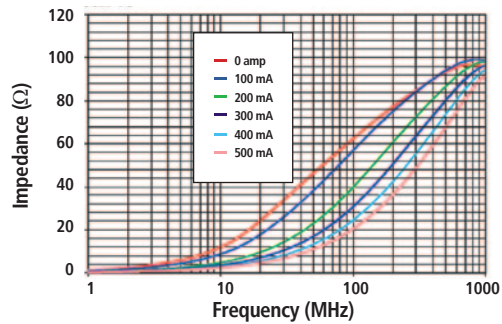
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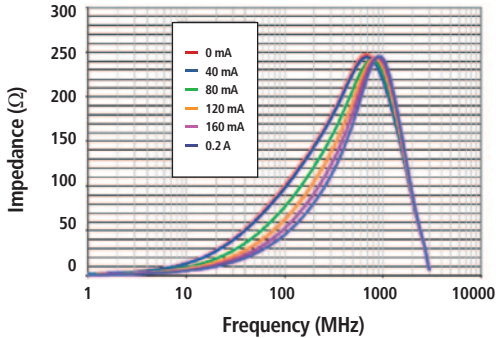
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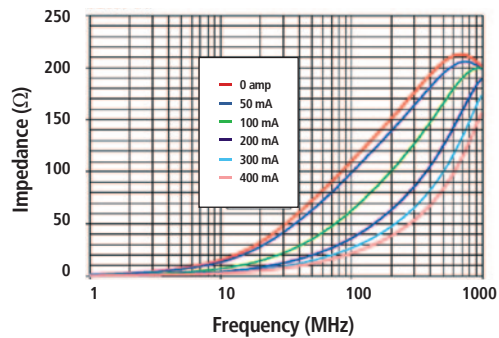
LI0402E600R-10



LI0402B800R-10

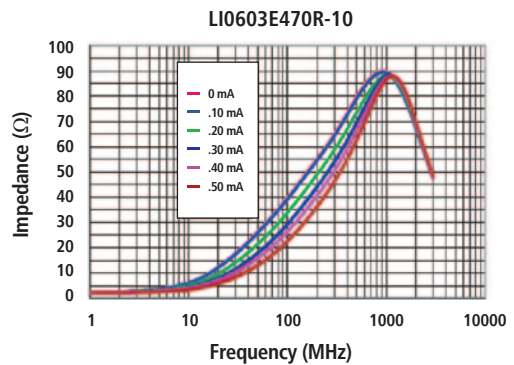
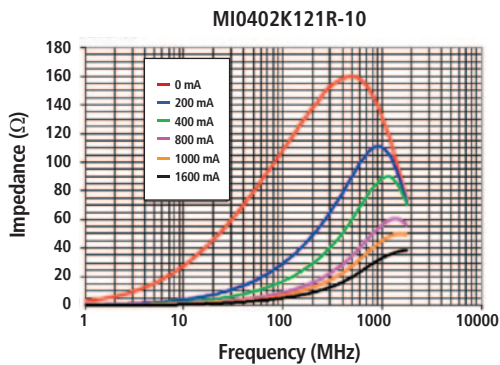
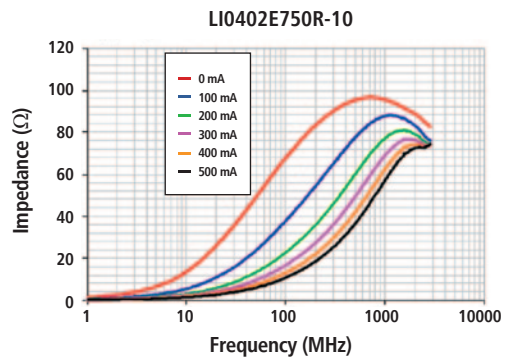
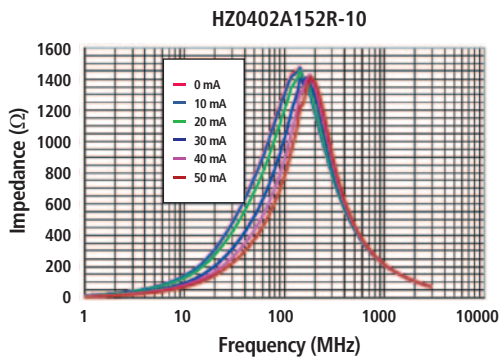
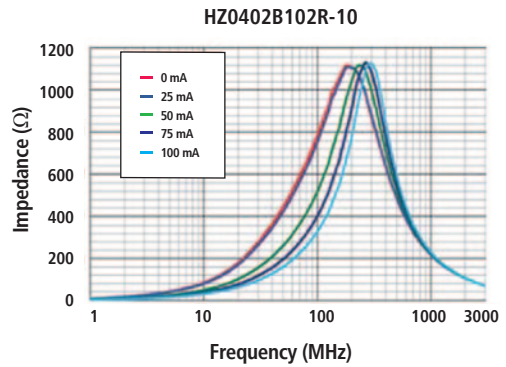
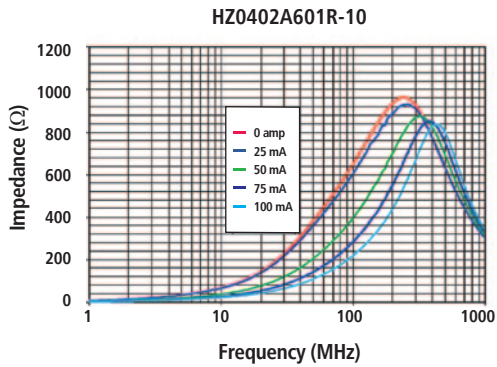
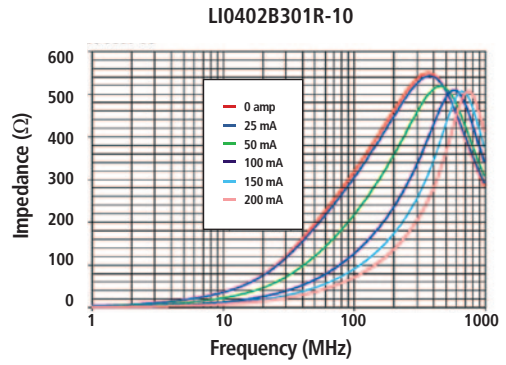
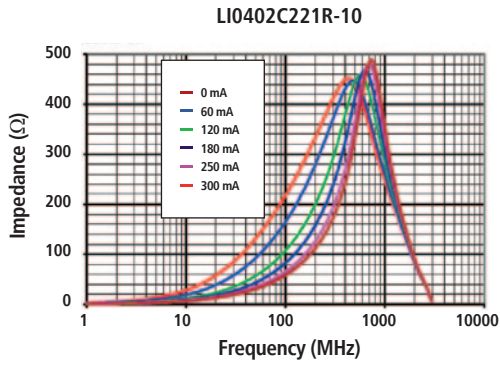


LI0402D121R-10



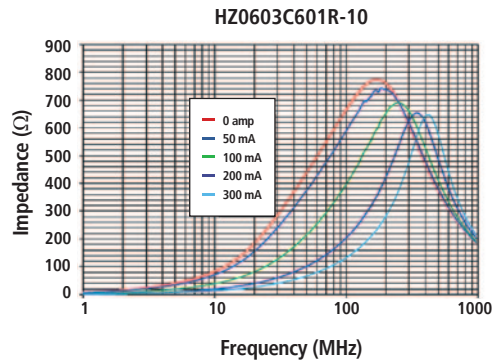
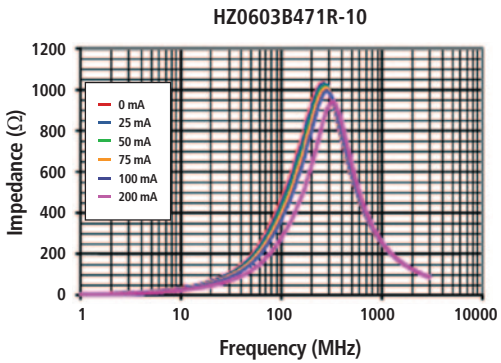
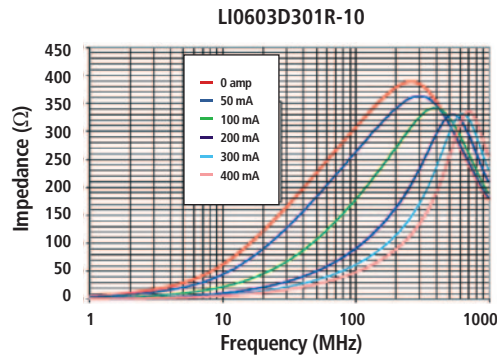
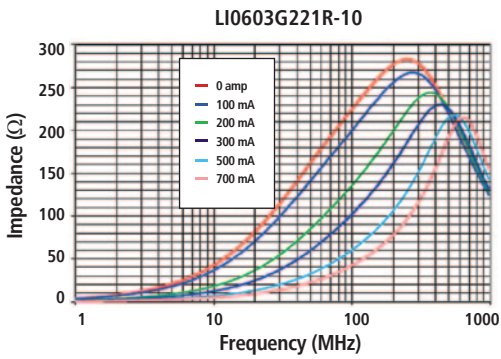
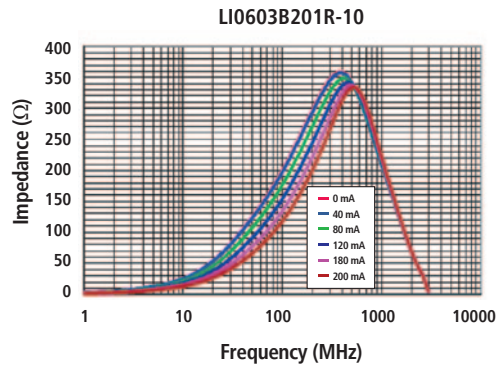
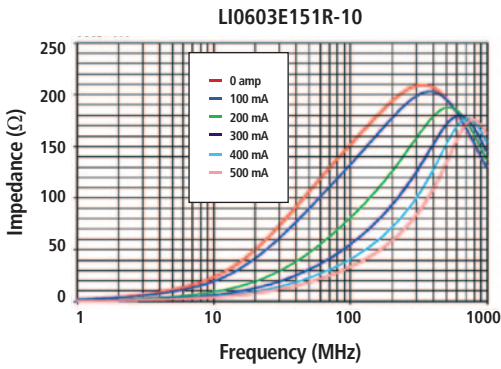
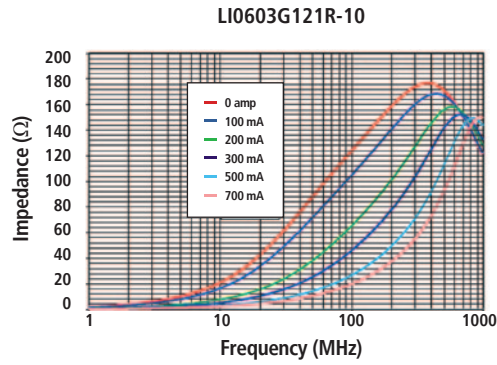
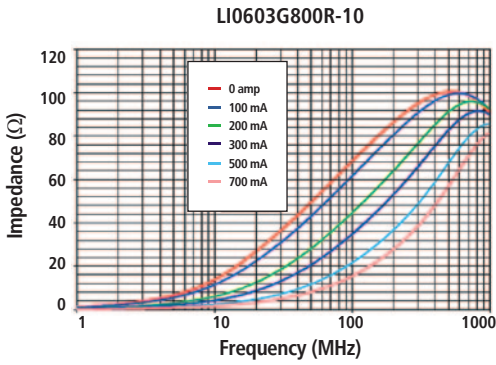
FERRITE EMI CHIP BEADS

0402/0603 Chip Bead Impedance Under DC Bias



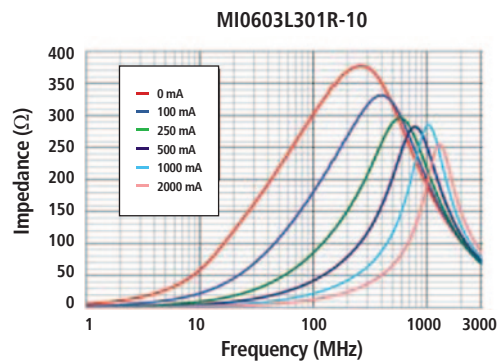
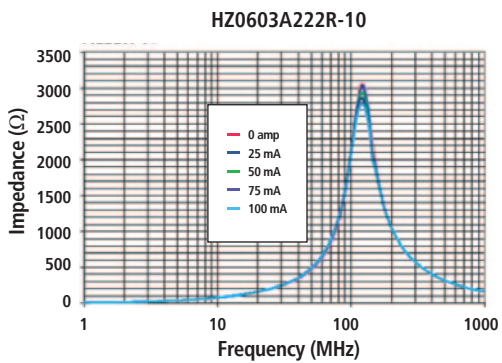
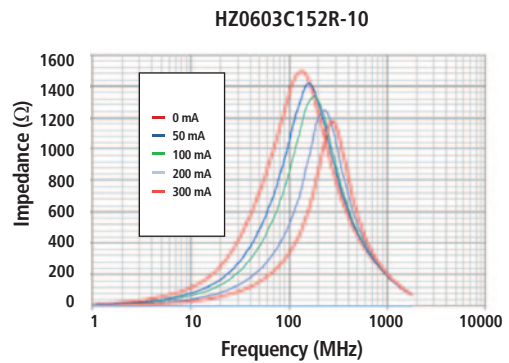
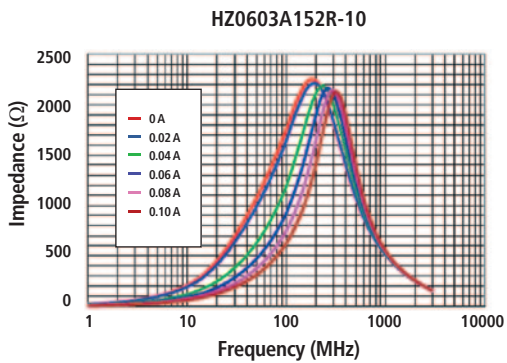
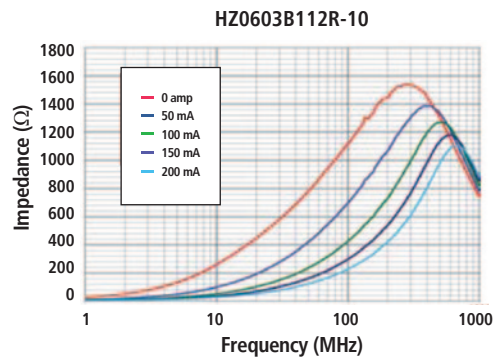
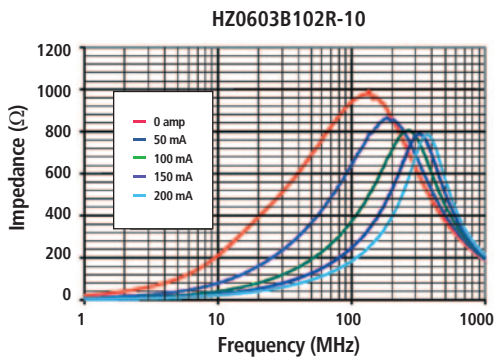
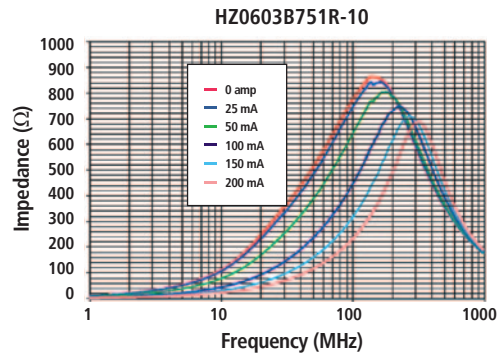
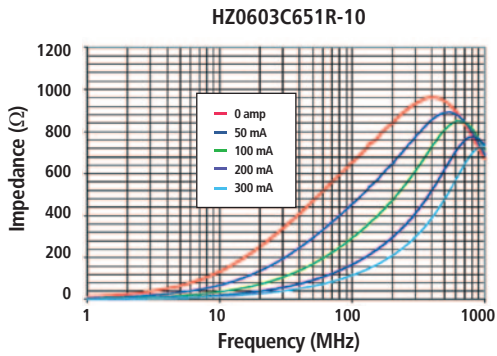
FERRITE EMI CHIP BEADS

0603 Chip Bead Impedance Under DC Bias



FERRITE EMI CHIP BEADS

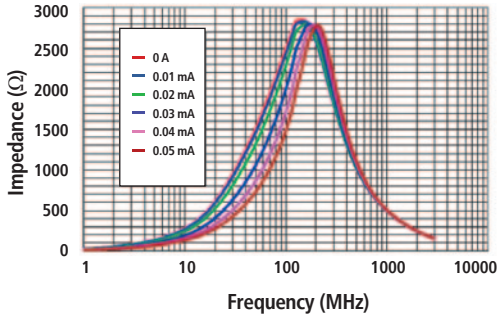
0603 Chip Bead Impedance Under DC Bias



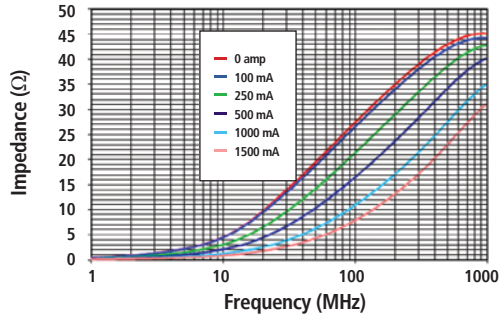
FERRITE EMI CHIP BEADS

0603 Chip Bead Impedance Under DC Bias

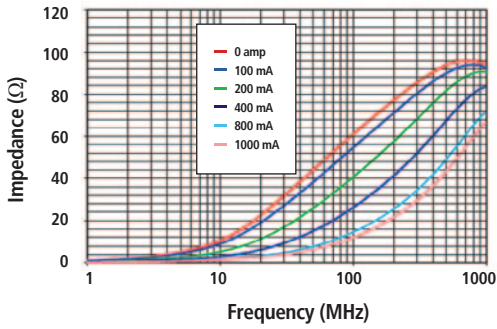
HZ0603A252R-10



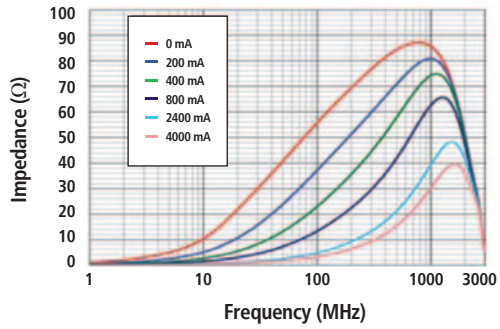
MI0603K300R-10



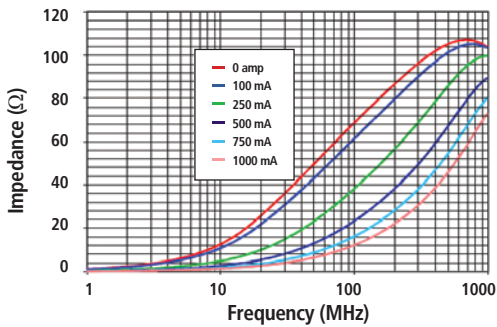
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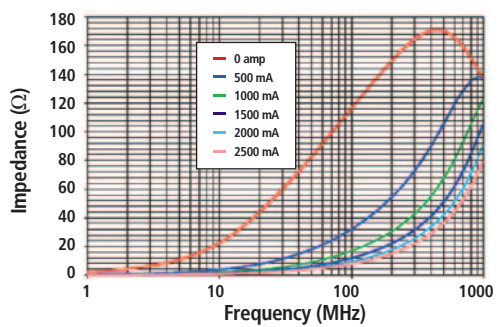
HI0603P600R-10



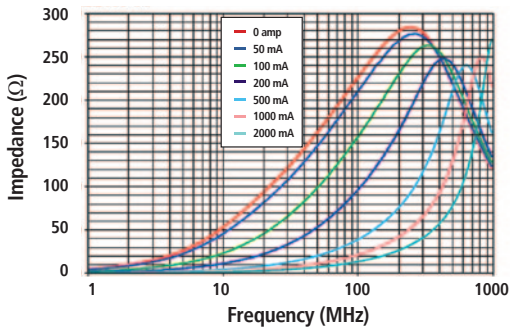
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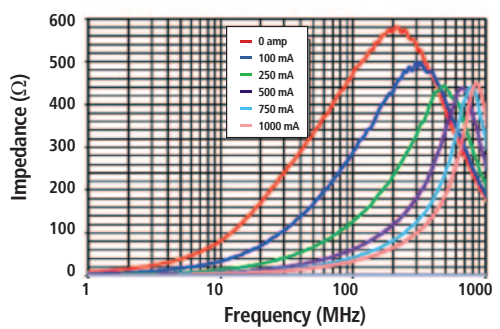
MI0603M121R-10



MI0603L221R-10

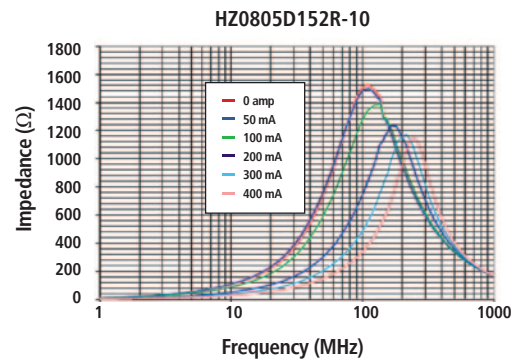
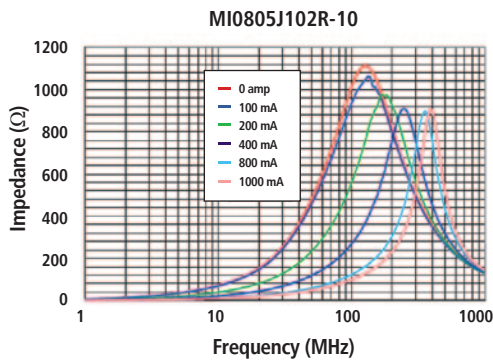
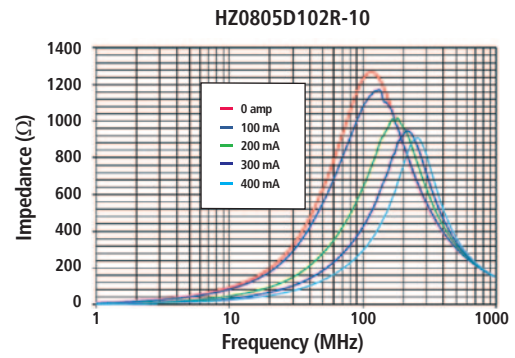
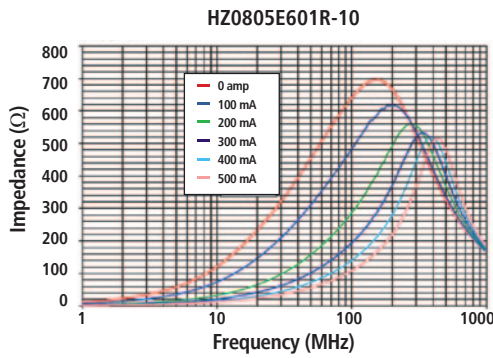
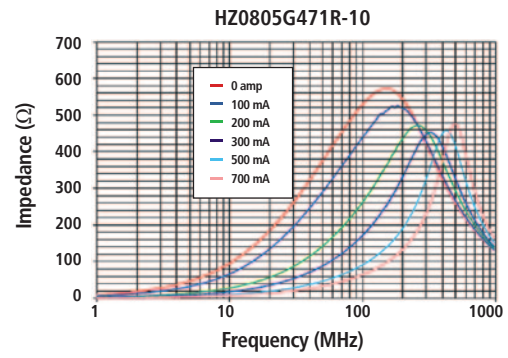
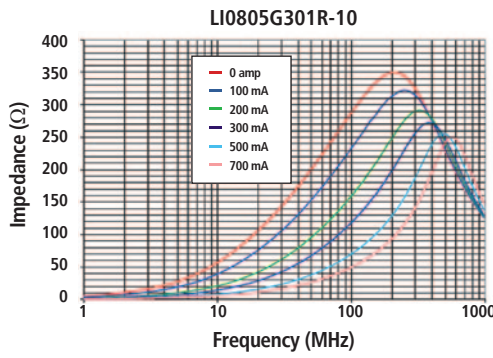
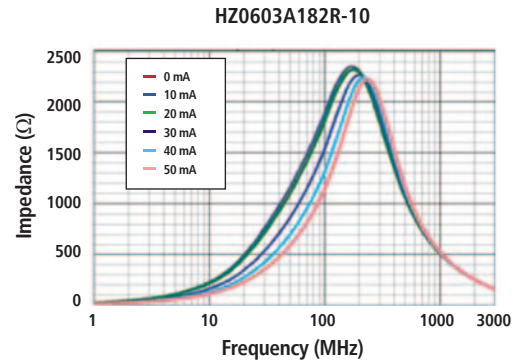
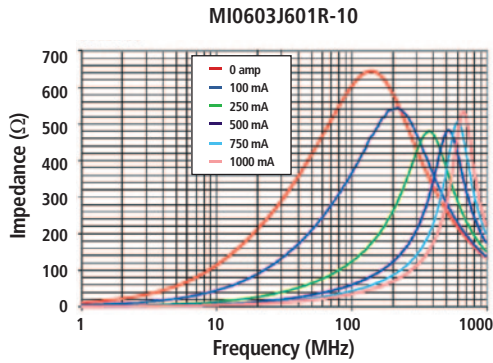


MI0603J471R-10



FERRITE EMI CHIP BEADS

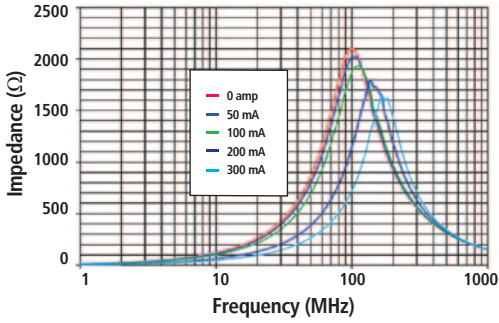
0603/0805 Chip Bead Impedance Under DC Bias



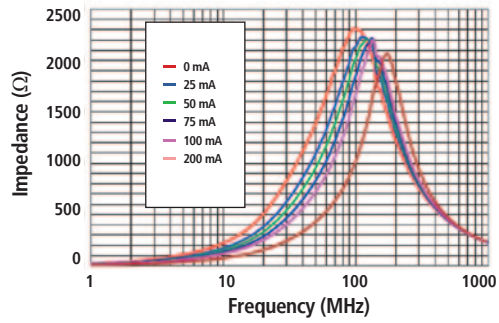
FERRITE EMI CHIP BEADS

0805 Chip Bead Impedance Under DC Bias

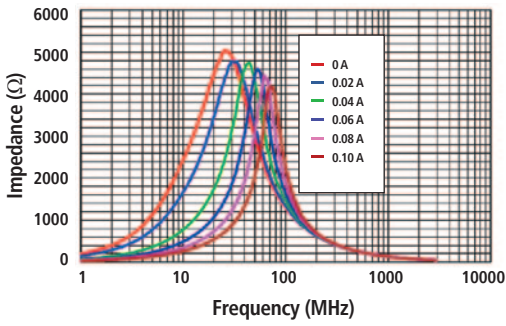
HZ0805C202R-10



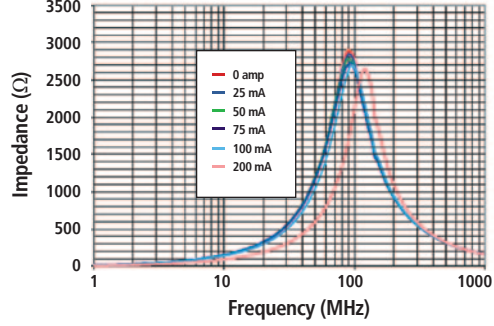
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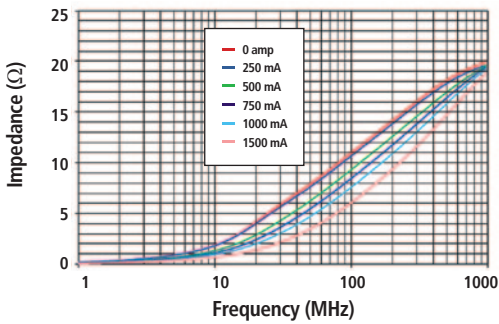
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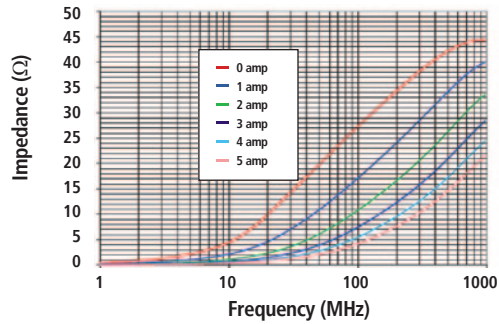
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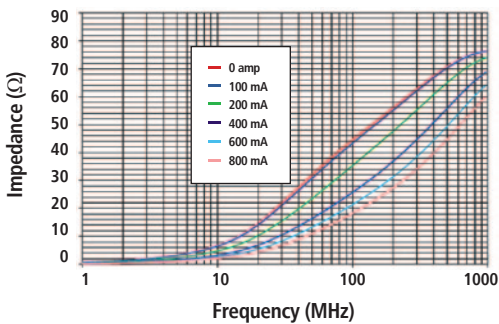
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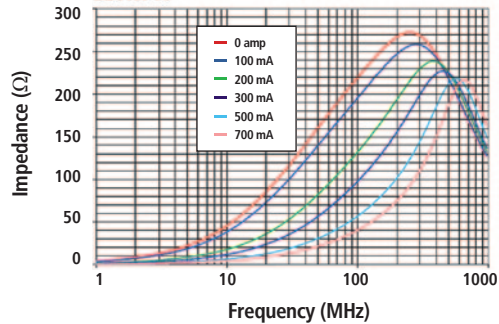
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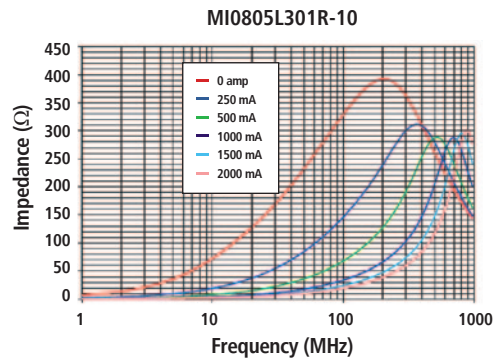
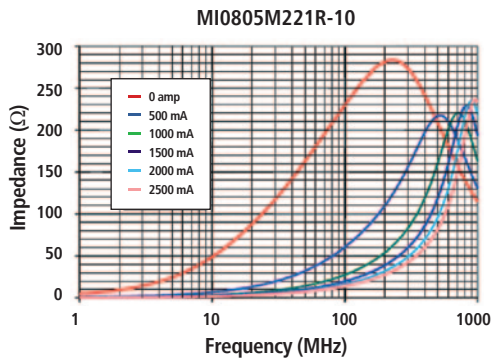
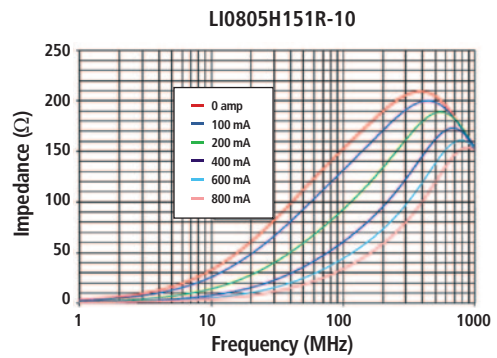
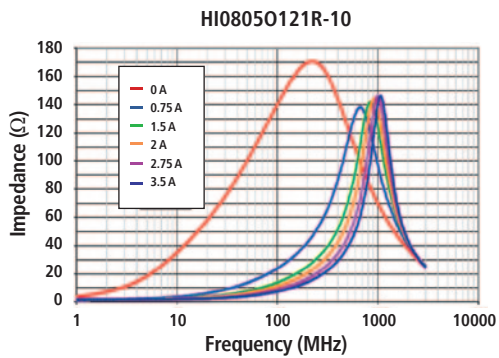
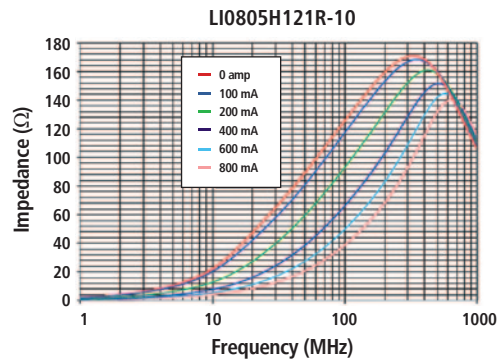
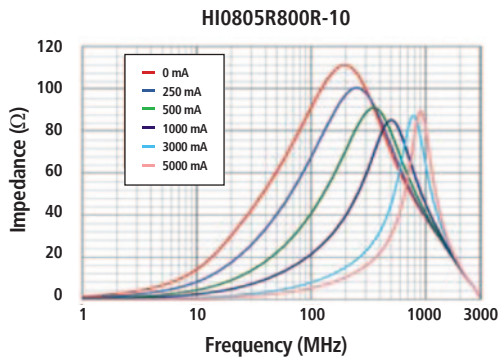
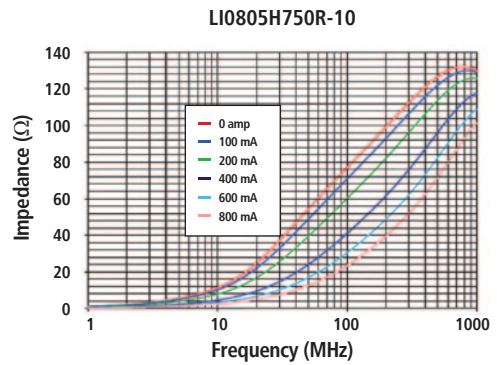
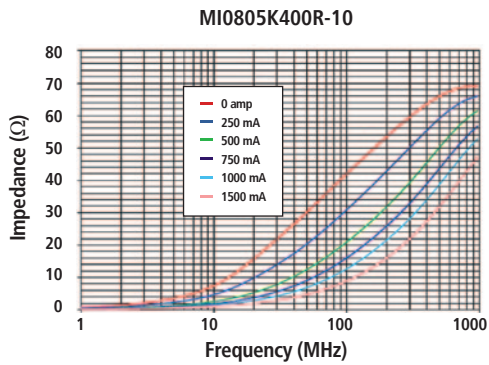


LI0805G201R-10



FERRITE EMI CHIP BEADS

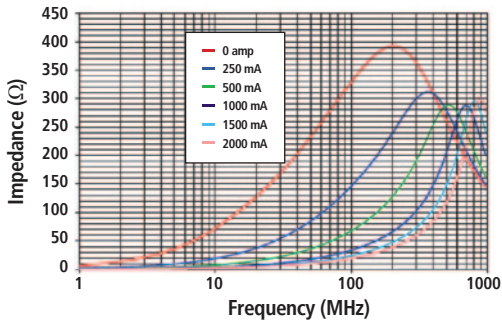
0805 Chip Bead Impedance Under DC Bias



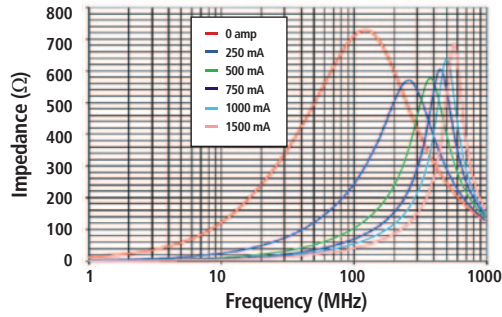
FERRITE EMI CHIP BEADS

0805/1206 Chip Bead Impedance Under DC Bias

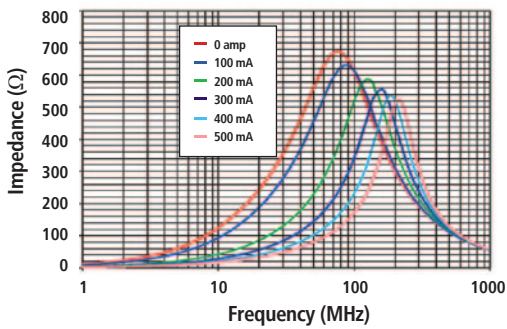
MI0805L331R-10



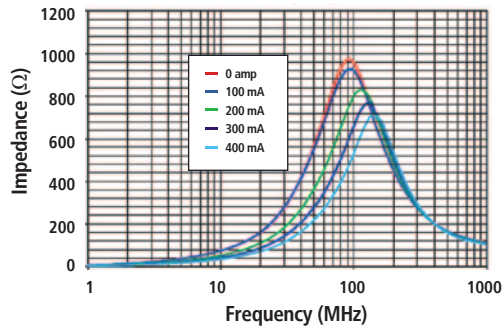
MI0805K601R-10



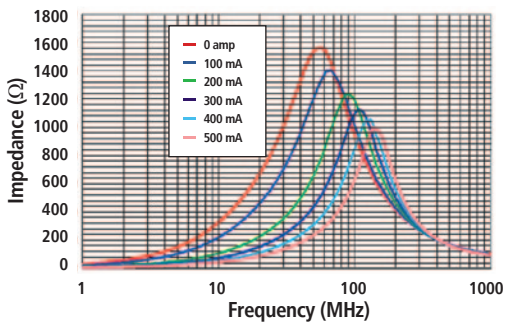
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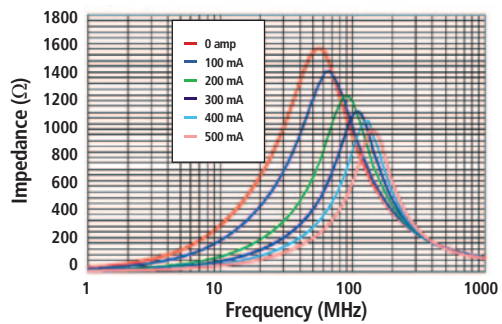
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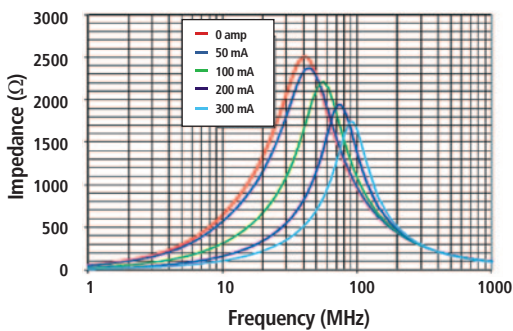
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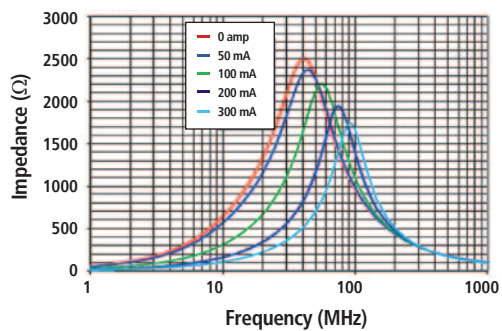
LF1206E152R-10



HZ1206C202R-10

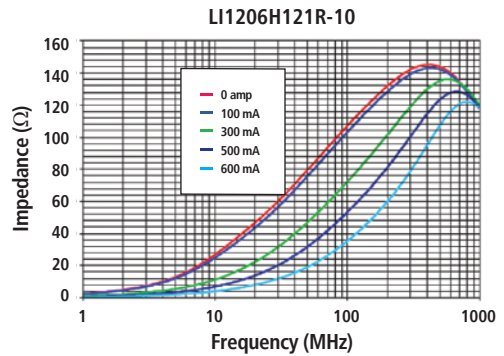
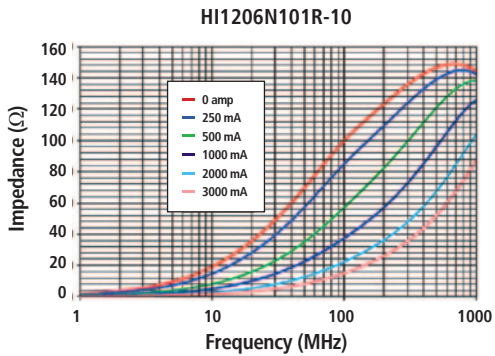
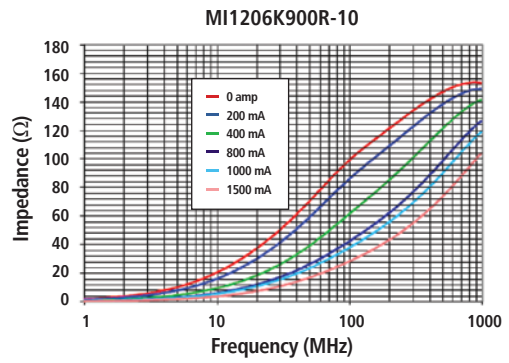
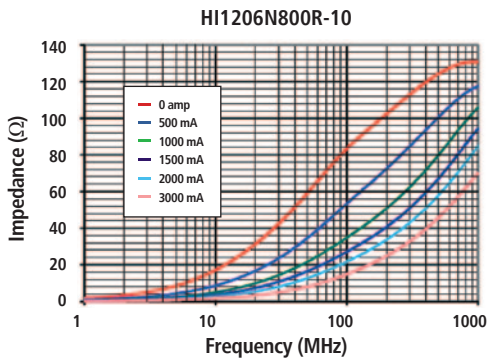
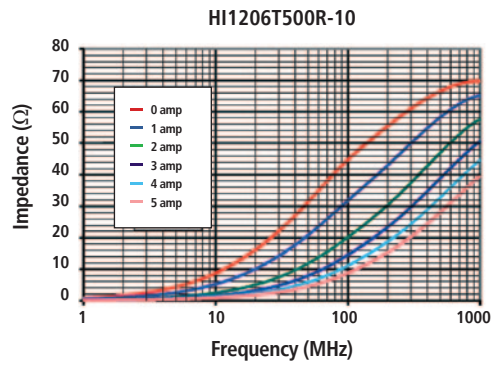
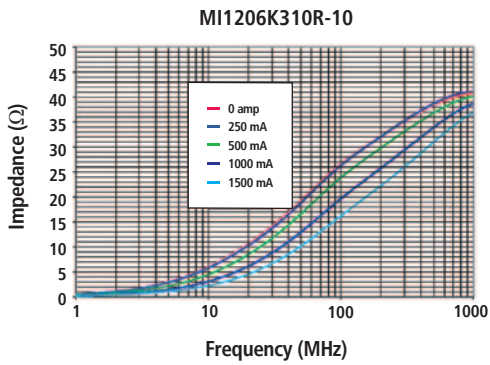
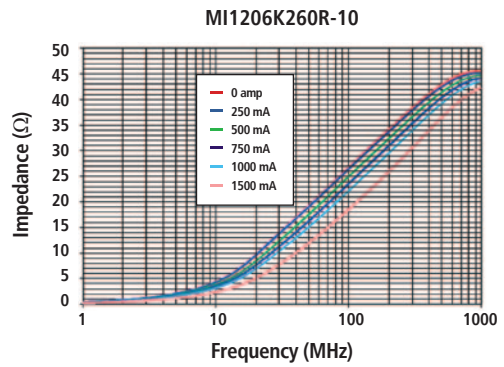
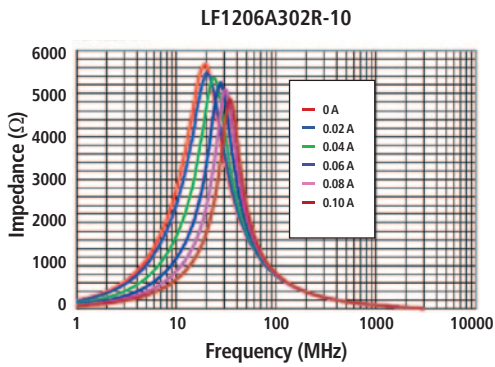


LF1206C202R-10



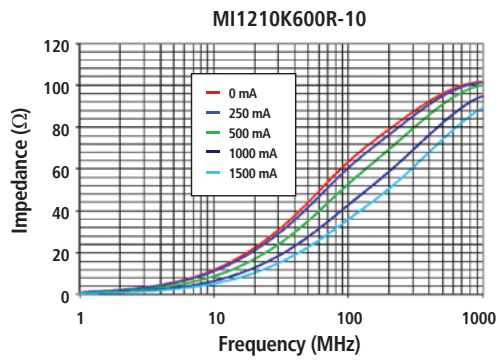
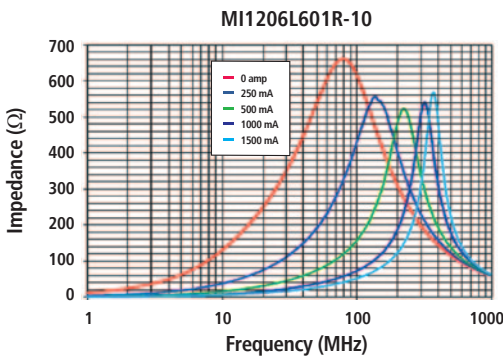
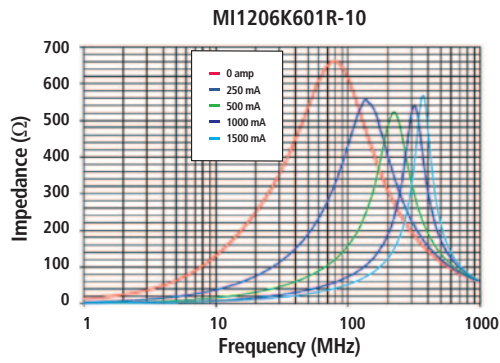
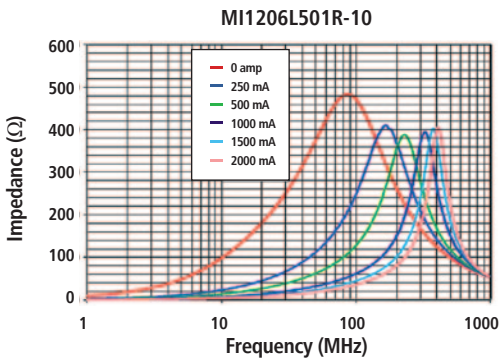
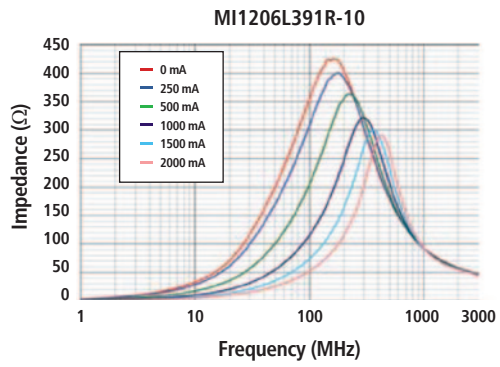
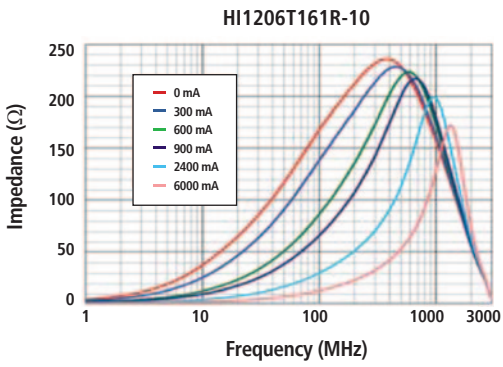
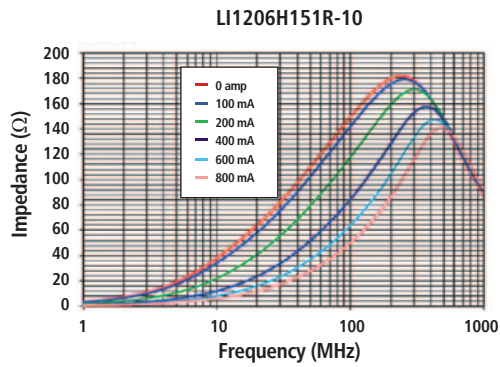
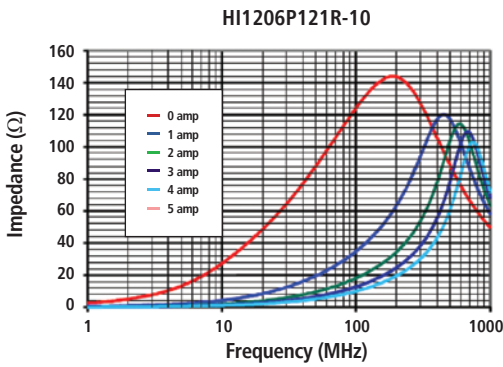
FERRITE EMI CHIP BEADS

1206 Chip Bead Impedance Under DC Bias



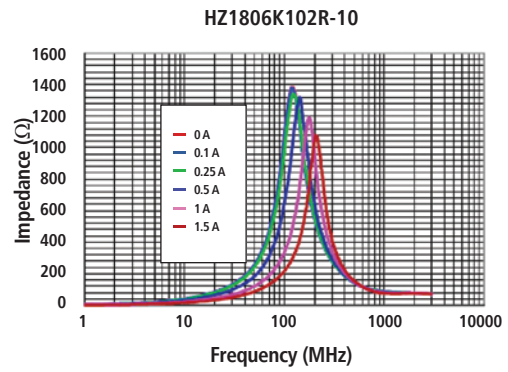
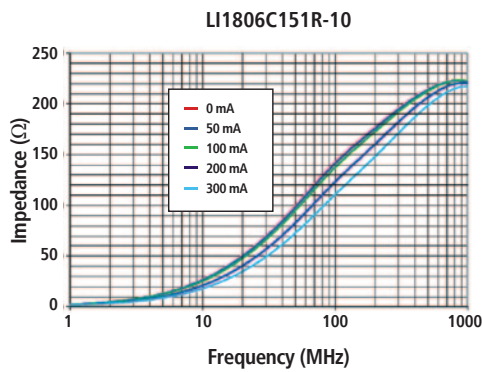
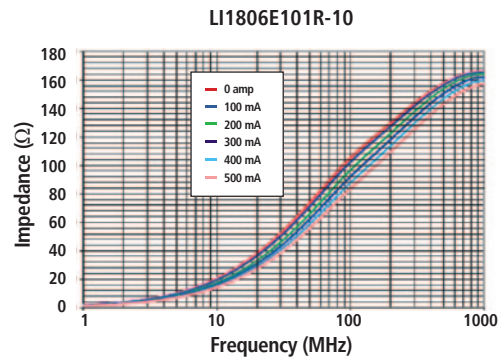
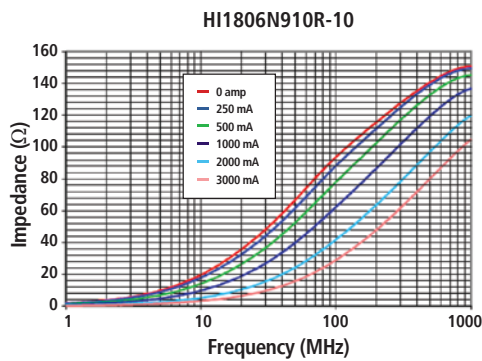
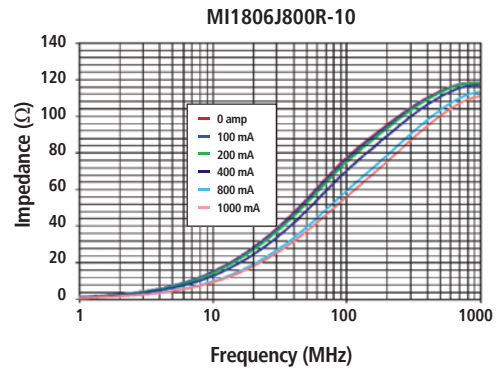
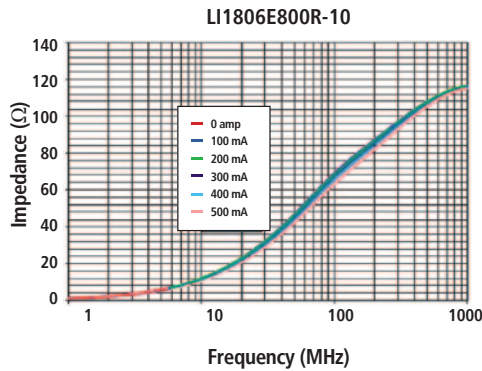
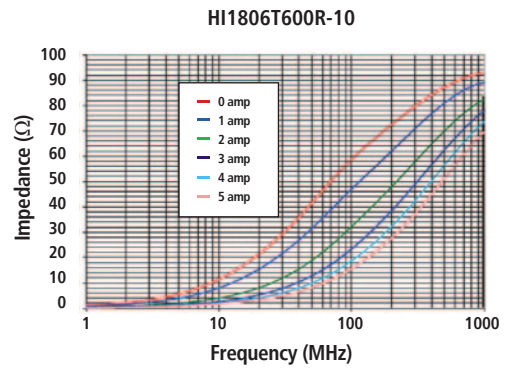
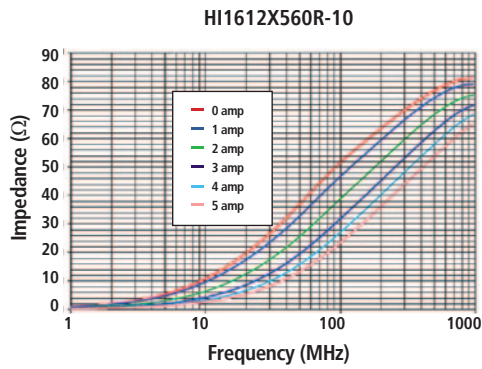
FERRITE EMI CHIP BEADS

1206/1210 Chip Bead Impedance Under DC Bias



FERRITE EMI CHIP BEADS

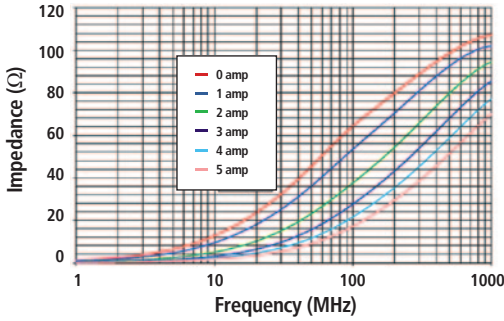
1612/1806 Chip Bead Impedance Under DC Bias



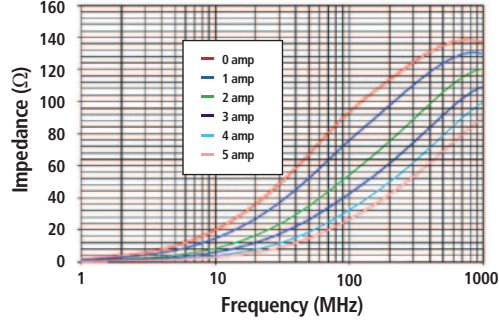
FERRITE EMI CHIP BEADS

1812/2220 Chip Bead Impedance Under DC Bias

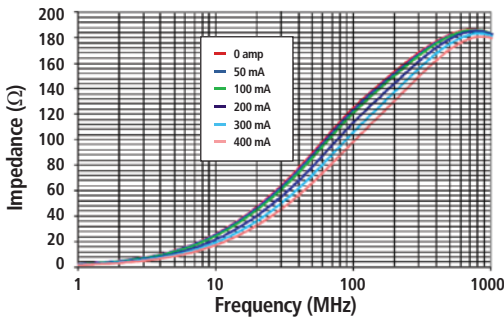
HI1812T800R-10



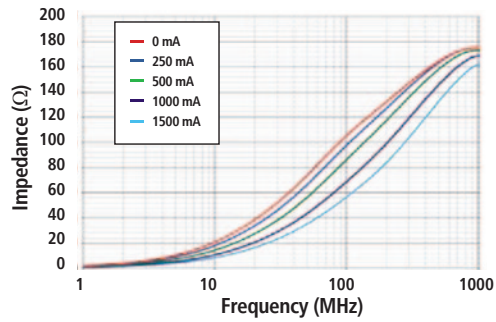
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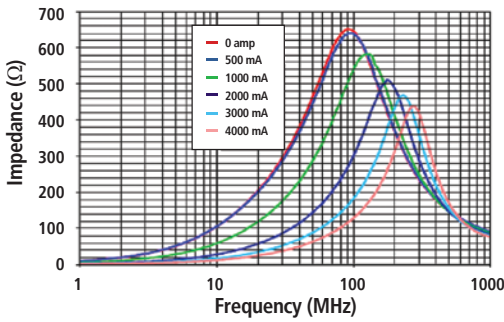
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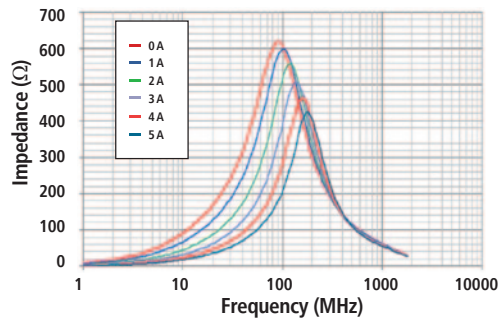
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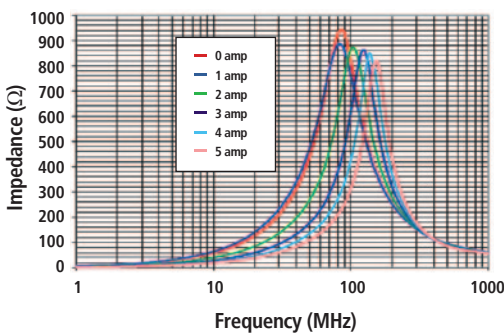
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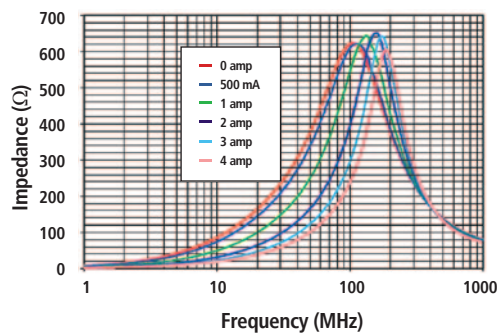
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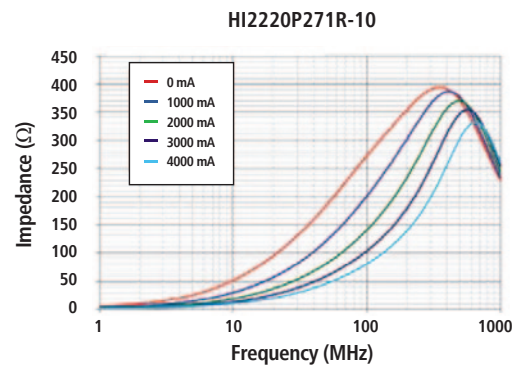
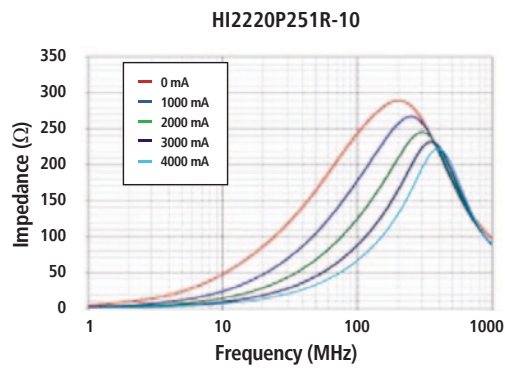
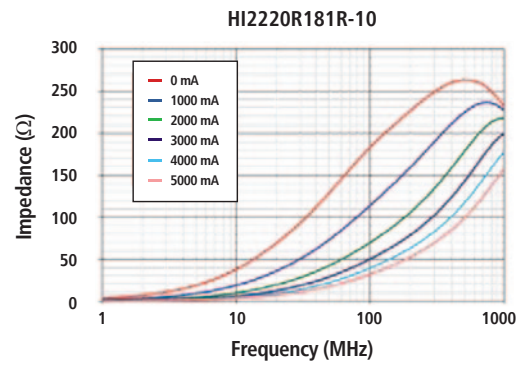
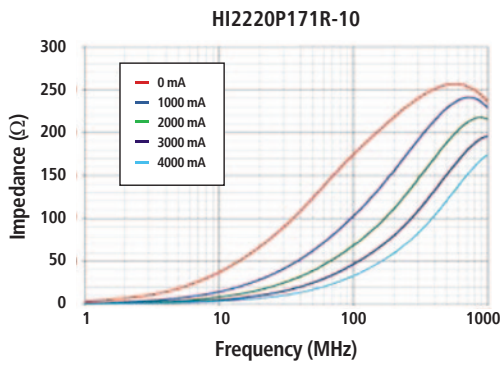
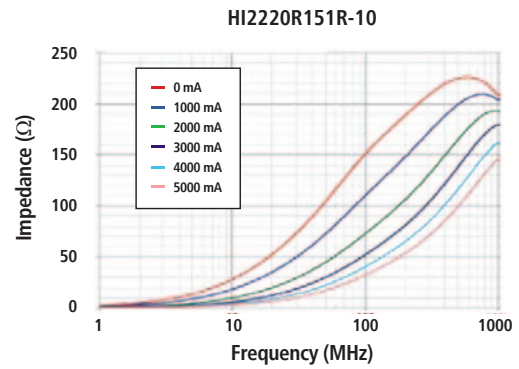
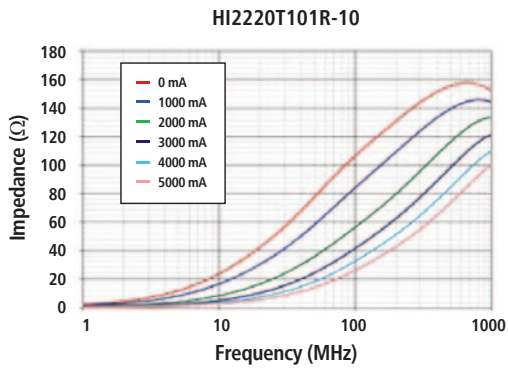


HR2220P601R-10



FERRITE EMI CHIP BEADS

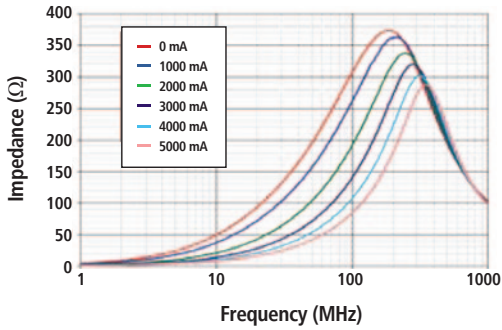
2220 Chip Bead Impedance Under DC Bias



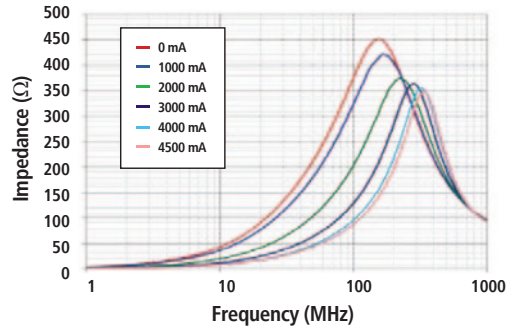
FERRITE EMI CHIP BEADS

2220/3312 Chip Bead Impedance Under DC Bias

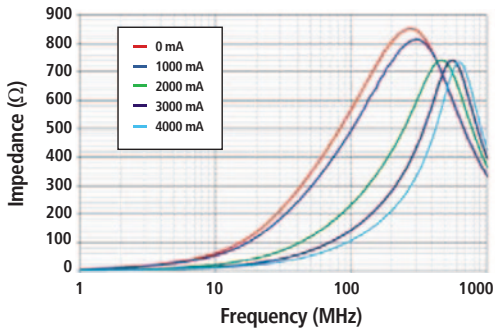
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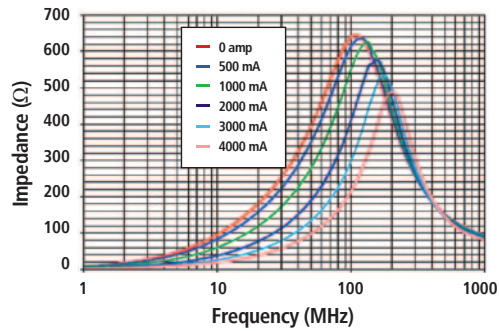
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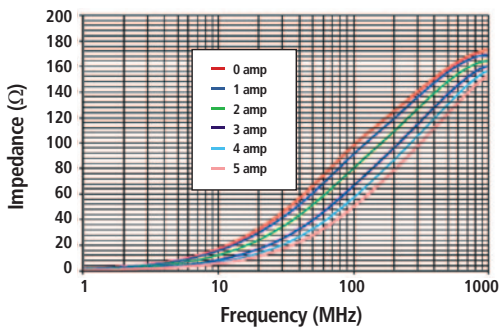
HI2220P551R-10



HI2220P701R-10



HI3312X101R-10



FERRITE EMI CHIP BEADS

4 Line Array Impedance Under DC Bias

