

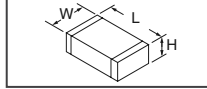


# Surface Mount EMI Suppression Ferrite Chips for Signal and Power Filtering

Chips up to 10 Amps continuous operation

**Applications:**

- Filters power input pins of oscillators and logic devices using high speed clocks
- Filters low frequency input/output signals entering/exiting shielded enclosures
- High frequency filtering of medium speed clocks and video signals



**Steward's Part Number Prefix Code**

<b>DM:</b> Differential Mode and Ultra High Current	<b>LI:</b> Low Current
<b>HI:</b> High Current	<b>LF:</b> Low Frequency
<b>HR:</b> High Retention under bias	<b>MI:</b> Mid Current
<b>HZ:</b> High Impedance	

Size Code	Dimensions – mm			Current Rating Max. (mA) Continuous	Typical Impedance @ 100MHz (Ω)	Typical Peak Impedance (Ω)	Peak Impedance Frequency (MHz)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel				Steward Part No.
	L	W	H						10	50	100		Qty.	Pricing	Qty.	Pricing	
0201	0.60	0.30	0.30	300	33	171	1,646	240-2591-1-ND	1.14	4.92	9.08	240-2591-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201C330R-10
	0.60	0.30	0.30	300	56	268	1,347	240-2592-1-ND	1.14	4.92	9.08	240-2592-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201C560R-10
	0.60	0.30	0.30	200	80	225	978	240-2593-1-ND	1.14	4.92	9.08	240-2593-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201B800R-10
	0.60	0.30	0.30	300	80	434	903	240-2594-1-ND	1.14	4.92	9.08	240-2594-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201C800R-10
	0.60	0.30	0.30	500	80	120	605	240-2595-1-ND	1.14	4.92	9.08	240-2595-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201E800R-10
	0.60	0.30	0.30	200	120	275	800	240-2596-1-ND	1.14	4.92	9.08	240-2596-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201B121R-10
0402	0.60	0.30	0.30	300	120	190	600	240-2597-1-ND	1.14	4.92	9.08	240-2597-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201C121R-10
	0.60	0.30	0.30	200	240	619	390	240-2598-1-ND	1.14	4.92	9.08	240-2598-2-ND	15,000	52.98/M	30,000	49.95/M	LI0201B241R-10
	1.01	0.50	0.50	200	300	549	374	240-2360-1-ND	.71	3.10	5.72	240-2360-2-ND	10,000	33.64/M	30,000	31.24/M	LI0402B301R-10
	1.01	0.50	0.50	200	80	243	769	240-2553-1-ND	.71	3.10	5.72	240-2553-2-ND	10,000	33.64/M	30,000	31.24/M	LI0402B800R-10
	1.01	0.50	0.50	300	220	453	440	240-2554-1-ND	.71	3.10	5.72	240-2554-2-ND	10,000	33.64/M	30,000	31.24/M	LI0402C221R-10
	1.01	0.50	0.50	300	47	59	1,402	240-2589-1-ND	.63	2.73	5.05	240-2589-2-ND	—	—	30,000	27.75/M	LI0402C470R-10
	1.01	0.50	0.50	400	120	213	682	240-2361-1-ND	.66	2.87	5.31	240-2361-2-ND	10,000	31.24/M	30,000	28.83/M	LI0402D121R-10
	1.01	0.50	0.50	500	19	24	1,519	240-2590-1-ND	.63	2.73	5.05	240-2590-2-ND	—	—	30,000	27.75/M	LI0402E190R-10
	1.01	0.50	0.50	500	30	58	1,195	240-2362-1-ND	.71	3.10	5.72	240-2362-2-ND	10,000	33.64/M	30,000	31.24/M	LI0402E300R-10
	1.01	0.50	0.50	500	60	97	801	240-2363-1-ND	.71	3.10	5.72	240-2363-2-ND	10,000	33.64/M	30,000	31.24/M	LI0402E600R-10
	1.01	0.50	0.50	50	1,500	1,875	143	240-2588-1-ND	.90	3.93	7.26	240-2588-2-ND	10,000	42.33/M	30,000	39.91/M	HZ0402A152R-10
	1.01	0.50	0.50	100	600	965	241	240-2364-1-ND	.65	2.83	5.21	240-2364-2-ND	10,000	30.43/M	30,000	28.83/M	HZ0402A601R-10
1.01	0.50	0.50	200	1,000	1,116	182	240-2555-1-ND	.78	3.40	6.27	240-2555-2-ND	10,000	36.84/M	30,000	34.44/M	HZ0402B102R-10	
0603	1.60	0.80	0.80	400	300	389	261	240-2365-1-ND	.56	2.42	4.47	240-2365-2-ND	4,000	26.43/M	12,000	24.03/M	LI0603G301R-10
	1.60	0.80	0.80	500	47	91	1,000	240-2557-1-ND	.56	2.42	4.47	240-2557-2-ND	4,000	26.43/M	12,000	24.03/M	LI0603E470R-10
	1.60	0.80	0.80	500	150	209	332	240-2366-1-ND	.56	2.42	4.47	240-2366-2-ND	4,000	26.43/M	12,000	24.03/M	LI0603E151R-10
	1.60	0.80	0.80	700	120	177	389	240-2367-1-ND	.46	2.02	3.72	240-2367-2-ND	4,000	21.63/M	12,000	20.02/M	LI0603G121R-10
	1.60	0.80	0.80	700	220	283	251	240-2368-1-ND	.56	2.42	4.47	240-2368-2-ND	4,000	26.43/M	12,000	24.03/M	LI0603G221R-10
	1.60	0.80	0.80	700	80	101	500	240-2369-1-ND	.56	2.42	4.47	240-2369-2-ND	4,000	26.43/M	12,000	24.03/M	LI0603G800R-10
	1.60	0.80	0.80	1,000	60	96	700	240-2370-1-ND	.65	2.83	5.21	240-2370-2-ND	4,000	30.43/M	12,000	28.03/M	MI0603J600R-10
	1.60	0.80	0.80	1,000	600	620	150	240-2371-1-ND	.70	3.02	5.57	240-2371-2-ND	4,000	32.84/M	12,000	29.63/M	MI0603J601R-10
	1.60	0.80	0.80	1,000	68	110	650	240-2372-1-ND	.65	2.83	5.21	240-2372-2-ND	4,000	30.43/M	12,000	28.03/M	MI0603J680R-10
	1.60	0.80	0.80	1,500	30	45	1,000	240-2373-1-ND	.65	2.83	5.21	240-2373-2-ND	4,000	30.43/M	12,000	28.03/M	MI0603K300R-10
	1.60	0.80	0.80	2,000	300	412	200	240-2374-1-ND	.76	3.31	6.10	240-2374-2-ND	4,000	35.24/M	12,000	32.84/M	MI0603L301R-10
	1.60	0.80	0.80	2,000	220	240	280	240-2558-1-ND	.76	3.31	6.10	240-2558-2-ND	4,000	35.24/M	12,000	32.84/M	MI0603L221R-10
	1.60	0.80	0.80	2,500	120	171	420	240-2375-1-ND	.76	3.31	6.10	240-2375-2-ND	4,000	35.24/M	12,000	32.84/M	MI0603M121R-10
	1.60	0.80	0.80	4,000	60	100	750	240-2376-1-ND	.76	3.31	6.10	240-2376-2-ND	4,000	35.24/M	12,000	32.84/M	MI0603P600R-10
	1.60	0.80	0.80	50	2,500	3,065	149	240-2561-1-ND	.66	2.87	5.29	240-2561-2-ND	4,000	31.23/M	12,000	28.03/M	HZ0603A252R-10
	1.60	0.80	0.80	100	1,500	2,306	190	240-2559-1-ND	.66	2.87	5.29	240-2559-2-ND	4,000	31.23/M	12,000	28.03/M	HZ0603A152R-10
	1.60	0.80	0.80	100	2,200	3,051	122	240-2377-1-ND	.66	2.87	5.29	240-2377-2-ND	4,000	31.23/M	12,000	28.03/M	MI0603A222R-10
	1.60	0.80	0.80	200	1,000	992	135	240-2378-1-ND	.66	2.87	5.29	240-2378-2-ND	4,000	23.23/M	12,000	21.63/M	HZ0603B102R-10
1.60	0.80	0.80	200	1,100	1,539	288	240-2379-1-ND	.66	2.87	5.29	240-2379-2-ND	4,000	31.23/M	12,000	28.03/M	HZ0603B112R-10	
1.60	0.80	0.80	200	750	863	137	240-2547-1-ND	.56	2.42	4.47	240-2547-2-ND	4,000	26.43/M	12,000	24.03/M	HZ0603B751R-10	
1.60	0.80	0.80	300	600	775	168	240-2380-1-ND	.50	2.17	4.01	240-2380-2-ND	4,000	23.23/M	12,000	21.63/M	HZ0603C601R-10	
1.60	0.80	0.80	300	650	964	380	240-2381-1-ND	.65	2.83	5.21	240-2381-2-ND	4,000	30.43/M	12,000	28.03/M	HZ0603C651R-10	
0805	2.00	1.25	0.90	700	200	272	250	240-2549-1-ND	.60	2.60	4.80	240-2549-2-ND	4,000	28.03/M	12,000	25.63/M	LI0805G201R-10
	2.00	1.25	0.90	700	300	350	205	240-2382-1-ND	.60	2.60	4.80	240-2382-2-ND	4,000	28.03/M	12,000	25.63/M	LI0805G301R-10
	2.00	1.25	0.90	800	120	171	340	240-2383-1-ND	.60	2.60	4.80	240-2383-2-ND	4,000	28.03/M	12,000	25.63/M	LI0805H121R-10
	2.00	1.25	0.90	800	150	209	400	240-2384-1-ND	.60	2.60	4.80	240-2384-2-ND	4,000	28.03/M	12,000	25.63/M	LI0805H151R-10
	2.00	1.25	0.90	800	75	132	769	240-2385-1-ND	.60	2.60	4.80	240-2385-2-ND	4,000	28.03/M	12,000	25.63/M	LI0805H750R-10
	2.00	1.25	1.25	100	1,267	5,138	25	240-2563-1-ND	1.03	4.48	8.26	240-2563-2-ND	2,000	48.05/M	6,000	45.65/M	LF0805A252R-10
	2.00	1.25	0.90	1,000	1,000	1,112	120	240-2551-1-ND	.82	3.56	6.58	240-2551-2-ND	4,000	38.44/M	12,000	35.24/M	MI0805J102R-10
	2.00	1.25	0.90	1,500	11	20	1,000	240-2387-1-ND	.73	3.15	5.81	240-2387-2-ND	4,000	33.64/M	12,000	31.24/M	MI0805K110R-10
	2.00	1.25	0.90	1,500	40	69	903	240-2389-1-ND	.73	3.15	5.81	240-2389-2-ND	4,000	33.64/M	12,000	31.24/M	MI0805K400R-10
	2.00	1.25	0.90	1,500	600	723	130	240-2390-1-ND	.77	3.35	6.17	240-2390-2-ND	4,000	36.04/M	12,000	32.84/M	MI0805K601R-10
	2.00	1.25	0.90	2,000	300	350	200	240-2391-1-ND	.82	3.56	6.58	240-2391-2-ND	4,000	38.44/M	12,000	35.24/M	MI0805L301R-10
	2.00	1.25	0.90	2,500	220	284	260	240-2392-1-ND	.77	3.35	6.17	240-2392-2-ND	4,000	36.04/M	12,000	32.84/M	MI0805M221R-10
	2.00	1.25	0.90	3,500	120	167	270	240-2393-1-ND	.82	3.56	6.58	240-2393-2-ND	4,000	38.44/M	12,000	35.24/M	MI0805O121R-10
	2.00	1.25	0.90	4,500	31	45	800	240-2394-1-ND	.82	3.56	6.58	240-2394-2-ND	4,000	38.44/M	12,000	35.24/M	MI0805O310R-10
	2.00	1.25	0.90	5,000	80	100	200	240-2395-1-ND	.71	3.08	5.67	240-2395-2-ND	4,000	32.84/M	12,000	30.43/M	MI0805R800R-10
	2.00	1.25	0.90	200	2,700	2,900	88	240-2504-1-ND	1.18	5.10	9.42	240-2504-2-ND	2,000	55.26/M	6,000	52.06/M	HZ0805E222R-10
	2.00	1.25	0.90	300	2,000	2,000	100	240-2396-1-ND	.77	3.35	6.17	240-2396-2-ND	4,000	36.04/M	12,000	32.84/M	HZ0805C202R-10
	2.00	1.25	0.90	400	1,000	1,268	113	240-2397-1-ND	.60	2.60	4.80	240-2397-2-ND	4,000	28.03/M	12,000	25.63/M	HZ0805D102R-10
	2.00	1.25	0.90	400	1,500	1,525	110	240-2398-1-ND	.77	3.35	6.17	240-2398-2-ND	4,000	36.04/M	12,000	32.84/M	HZ0805D152R-10