

# LAIRD EMI Chip Beads



RoHS Compliant This product is RoHS compliant.

## SMD FERRITE BEAD ASSEMBLIES

### Specifications:

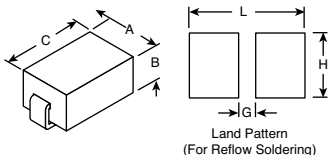
- 10 Amp continuous operating current capability
- Low DCR
- Rugged construction

### Applications:

- EMI Filtering
- Board flexure applications



RoHS Compliant



Steward Part No.	Dimensions: mm					
	A	B	C	L	G	H
28F0121-0SR-10	3.05	2.54	4.06	7.29	1.02	3.45
28F0121-1SR-10	3.05	2.54	8.51	10.74	4.14	4.60

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Case Size	Impedance @ 100MHz (Ω)	Rated Current (A)	Peak Impedance (Ω)	Peak Impedance Frequency (MHz)	Price Each					Reel Price
							1	50	100	500	1000	
875-28F0121-0SR-10	28F0121-0SR-10	1612	48	10	55	1000	.27	.23	.22	.16	.14	.13
875-28F0121-1SR-10	28F0121-1SR-10	3312	96	10	115	300	.34	.29	.27	.21	.18	.16

## SMD FERRITE EMI CHIP BEADS

### Specifications:

- Small Footprint
- Excellent retention under bias
- Rugged monolithic construction
- Superior impedance vs frequency characteristics
- Economical
- Broad range of sizes, impedance values & current ratings

### Applications:

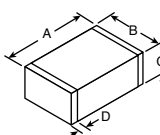
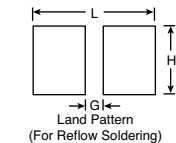
- Filtering of power input pins and devices using high speed clocks
- High frequency filtering of medium speed clocks and video signals
- Data Bus Filtration; High frequency amplifier oscillation killers

### Steward Product Series Codes:

- LI - Low Current Chips (1 amp & <400 ohms)
- MI - Mid Current Chips (1-2.5 amps)
- HZ - High Impedance Chip (<1 amp & >400 ohms)
- HI - High Current Chip (>3 amps)
- LF - Low Frequency Chips



RoHS Compliant



EIA Package Size	Dimensions: mm							
	A	B	C	D	L	G	H	
0201	0.60	0.30	0.30	0.15	0.69	6.25	0.32	
0402	1.01	0.50	0.50	0.30	2.10	0.50	0.55	
0603	1.60	0.80	0.80	0.36	2.60	0.60	0.80	
0805	2.00	1.25	1.25	0.51	3.23	0.66	1.47	
1206	3.20	1.60	1.10	0.51	4.40	2.20	1.40	
1612	4.06	3.05	2.28	0.89	8.64	1.57	4.06	
1806	4.50	1.60	1.60	0.51	5.70	2.70	2.24	
1812	4.50	3.20	1.40	0.46	5.90	2.57	4.22	
2220	5.59	5.08	1.80	0.76	9.19	3.05	6.10	
3312	8.50	3.05	2.28	0.89	13.08	6.02	4.06	

For quantities not listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Case Size	Impedance (Z) Typical Ohms @ 100MHz	Impedance (Z) Typical Ohms @ 500MHz	Impedance (Z) Typical Ohms @ 1GHz	DCR (Ω)	Imax (A)	Price Each					Reel Qty	Price Each
								1	50	100	500	1000		
<b>High Current Chip Beads</b>														
875-HI0603P600R-10	HI0603P600R-10	0603	60	90	95	0.04	3	.15	.098	.085	.068	.061	4000	.054
875-HI0805Q310R-10	HI0805Q310R-10	0805	31	42	46	0.025	4.5	.15	.098	.085	.068	.061	4000	.054
875-HI0805R800R-10	HI0805R800R-10	0805	80	109	89	0.016	5	.15	.098	.085	.068	.061	4000	.054
875-HI0805O121R-10	HI0805O121R-10	0805	120	125	70	0.02	3.5	.15	.098	.085	.068	.061	4000	.054
875-HI1206T500R-10	HI1206T500R-10	1206	50	73	80	0.01	6	.17	.13	.118	.10	.09	3000	.077
875-HI1206N800R-10	HI1206N800R-10	1206	80	120	129	0.035	3	.17	.13	.118	.10	.09	3000	.077
875-HI1206N101R-10	HI1206N101R-10	1206	100	144	150	0.035	3	.17	.13	.118	.10	.09	3000	.077
875-HI1206P121R-10	HI1206P121R-10	1206	120	168	124	0.03	4	.16	.113	.097	.075	.067	3000	.06
875-HI1206T161R-10	HI1206T161R-10	1206	160	220	160	0.018	6	.17	.13	.118	.10	.09	3000	.077
875-HI1612X560R-10	HI1612X560R-10	1612	56	75	79	0.004	10	.74	.563	.487	.375	.337	2500	.30
875-HI1806T600R-10	HI1806T600R-10	1806	60	102	107	0.01	6	.34	.26	.22	.18	.16	2000	.14
875-HI1806N910R-10	HI1806N910R-10	1806	91	140	151	0.03	3	.13	.09	.08	.07	.066	2000	.062
875-HI1812T800R-10	HI1812T800R-10	1812	80	121	129	0.01	6	.35	.27	.23	.19	.17	2500	.15
875-HI1812V101R-10	HI1812V101R-10	1812	100	148	156	0.01	8	.35	.27	.23	.19	.17	2500	.35
875-HI2220T101R-10	HI2220T101R-10	2220	100	148	152	0.006	6	.89	.69	.63	.50	.45	2000	.40
875-HI2220R151R-10	HI2220R151R-10	2220	150	230	196	0.015	5	.89	.69	.63	.50	.45	2000	.40
875-HI2220R181R-10	HI2220R181R-10	2220	180	263	234	0.02	5	.89	.69	.63	.50	.45	2000	.40
875-HI2220P251R-10	HI2220P251R-10	2220	250	172	91	0.015	4	.89	.69	.63	.50	.45	2000	.40
875-HI2220P271R-10	HI2220P271R-10	2220	270	360	250	0.035	4	.89	.69	.63	.50	.45	2000	.40
875-HI2220R301R-10	HI2220R301R-10	2220	300	190	100	0.02	5	.89	.69	.63	.50	.45	2000	.40
875-HI2220Q401R-10	HI2220Q401R-10	2220	400	159	99	0.025	4.5	.70	.58	.50	.40	.36	2000	.34
875-HI2220P551R-10	HI2220P551R-10	2220	550	670	343	0.035	4	1.12	.87	.75	.58	.52	2000	.46
875-HI2220P601R-10	HI2220P601R-10	2220	600	184	106	0.025	4	1.12	.87	.75	.58	.52	2000	.46
875-HI2220P701R-10	HI2220P701R-10	2220	700	140	90	0.025	4	1.12	.87	.75	.58	.52	2000	.46
875-HI3312X101R-10	HI3312X101R-10	3312	100	160	172	0.004	10	1.32	1.01	.88	.68	.64	2500	.60
<b>Low Current Chip Beads</b>														
875-LI0201C330R-10	LI0201C330R-10	0201	33	113	153	0.5	0.3	.14	.12	.11	.085	.076	15000	.066
875-LI0201C560R-10	LI0201C560R-10	0201	56	186	252	0.6	0.3	.14	.12	.11	.085	.076	15000	.066
875-LI0201B800R-10	LI0201B800R-10	0201	80	195	224	0.8	0.2	.14	.12	.11	.085	.076	15000	.066
875-LI0201C800R-10	LI0201C800R-10	0201	80	335	428	0.6	0.3	.14	.12	.11	.085	.076	15000	.066
875-LI0201E800R-10	LI0201E800R-10	0201	80	119	116	0.5	0.5	.14	.12	.11	.085	.076	15000	.066
875-LI0201B121R-10	LI0201B121R-10	0201	120	247	269	0.8	0.2	.14	.12	.11	.085	.076	15000	.066
875-LI0201C121R-10	LI0201C121R-10	0201	120	189	182	0.7	0.3	.14	.12	.11	.085	.076	15000	.066
875-LI0201B241R-10	LI0201B241R-10	0201	240	586	321	1	0.2	.14	.12	.11	.085	.076	15000	.066
875-LI0402E190R-10	LI0402E190R-10	0402	19	43	56	0.1	0.5	.09	.08	.07	.06	.05	10000	.045
875-LI0402E300R-10	LI0402E300R-10	0402	30	50	57	0.3	0.5	.09	.08	.07	.06	.05	10000	.045
875-LI0402C470R-10	LI0402C470R-10	0402	47	76	90	0.15	0.3	.09	.06	.052	.047	.044	10000	.041
875-LI0402E600R-10	LI0402E600R-10	0402	60	90	93	0.3	0.5	.14	.08	.065	.05	.045	10000	.04
875-LI0402B800R-10	LI0402B800R-10	0402	80	220	224	0.8	0.2	.08	.065	.059	.053	.047	10000	.039
875-LI0402D121R-10	LI0402D121R-10	0402	120	205	195	0.4	0.4	.14	.075	.065	.05	.045	10000	.04
875-LI0402C221R-10	LI0402C221R-10	0402	220	443	243	0.35	0.3	.08	.065	.059	.053	.047	10000	.039
875-LI0402B301R-10	LI0402B301R-10	0402	300	454	351	0.8	0.2	.14	.075	.065	.05	.045	10000	.04
875-LI0603E470R-10	LI0603E470R-10	0603	47	83	91	0.1	0.5	.09	.066	.057	.05	.044	4000	.037
875-LI0603G800R-10	LI0603G800R-10	0603	80	120	107	0.2	0.7	.09	.066	.057	.05	.044	4000	.037
875-LI0603G121R-10	LI0603G121R-10	0603	120	156	113	0.2	0.7	.09	.066	.057	.05	.044	4000	.037
875-LI0603E151R-10	LI0603E151R-10	0603	150	197	131	0.25	0.5	.07	.05	.03	.025	.021	4000	.019
875-LI0603B201R-10	LI0603B201R-10	0603	200	340	210	0.4	0.2	.09	.081	.07	.065	.054	4000	.048
875-LI0603G221R-10	LI0603G221R-10	0603	220	279	168	0.3	0.7	.09	.066	.057	.05	.044	4000	.037
875-LI0603D301R-10	LI0603D301R-10	0603	300	286	165	0.35	0.4	.09	.066	.057	.05	.044	4000	.037
875-LI0805H750R-10	LI0805H750R-10	0805	75	112	113	0.15	0.8	.14	.075	.065	.05	.045	4000	.04
875-LI0805H121R-10	LI0805H121R-10	0805	120	167	129	0.15	0.8	.14	.075	.065	.05	.045	4000	.04
875-LI0805H151R-10	LI0805H151R-10	0805	150	207	138	0.15	0.8	.14	.075	.065	.05	.045	4000	.04
875-LI0805G201R-10	LI0805G201R-10	0805	200	221	128	0.3	0.7	.09	.066	.057	.05	.044	4000	.037
875-LI0805G301R-10	LI0805G301R-10	0805	300	248	146	0.2	0.7	.14	.08	.065	.05	.045	4000	.04
875-LI1206H121R-10	LI1206H121R-10	1206	120	144	135	0.15	0.8	.15	.085	.073	.06	.054	3000	.048
875-LI1206H151R-10	LI1206H151R-10	1206	150	173	123	0.15	0.8	.15	.09	.06	.054	.048	3000	.042
875-LI1806E800R-10	LI1806E800R-10	1806	80	117	124	0.3	0.5	.30	.23	.20	.15	.14	3000	.12
875-LI1806E101R-10	LI1806E101R-10	1806	100	131	130	0.3	0.5	.30	.23	.20	.15	.14	3000	.12
875-LI1806C151R-10	LI1806C151R-10	1806	150	219	227	0.5	0.3	.30	.23	.20	.15	.14	3000	.12
875-LI1812D121R-10	LI1812D121R-10	1812	120	182	184	0.4	0.4	.21	.14	.13	.12	.11	2500	.10