

# LAIRD TECHNOLOGIES EMI Chip Beads

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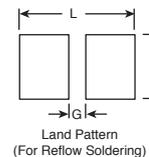
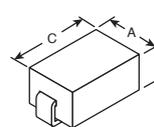
## SMD FERRITE BEAD ASSEMBLIES

### Specifications:

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

### Applications:

- EMI filtering
- Board flexure applications



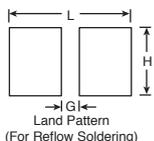
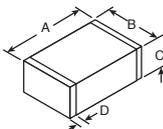
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Case Size	Impedance @ 100MHz (Ω)	Rated Current (A)	Dimensions: mm						Price Each			Reel Qty.	Price Per Piece
					A	B	C	L	G	H	1	10	100		
875-28F0121-0SR-10	28F0121-0SR-10	1612	48	10	3.05	2.54	4.06	7.29	1.02	3.45	.21	.118	.09	2500	.064
875-28F0121-1SR-10	28F0121-1SR-10	3312	96	10	3.05	2.54	8.51	10.74	4.14	4.60	.26	.147	.112	2500	.08

## SMD FERRITE EMI CHIP BEADS

### Specifications:

- Excellent retention under bias
- Rugged monolithic construction
- Superior impedance vs frequency characteristics
- Economical



### 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

### Series Codes:

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

EIA Package Size	Dimensions: mm						
	A	B	C	D	L	G	H
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 greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Impedance @ 100MHz (Ω)	DCR (Ω)	I <sub>Max.</sub> (A)	Price Each		Reel Qty.	Price Each
					1	100		
<b>High Current Chip Beads</b>								
875-HI0603P600R-10	0603	60	0.04	3	.10	.032	4000	.019
875-HI0805Q310R-10	0805	31	0.025	4.5	.10	.032	4000	.021
875-HI0805R800R-10	0805	80	0.016	5	.10	.029	4000	.018
875-HI0805O121R-10	0805	120	0.02	3.5	.10	.034	4000	.021
875-HI1206T500R-10	1206	50	0.01	6	.11	.036	3000	.024
875-HI1206N800R-10	1206	80	0.035	3	.16	.06	3000	.042
875-HI1206N101R-10	1206	100	0.035	3	.16	.06	3000	.042
875-HI1206P121R-10	1206	120	0.03	4	.10	.034	3000	.021
875-HI1206T161R-10	1206	160	0.018	6	.21	.077	2000	.054
875-HI1612X560R-10	1612	56	0.004	10	.42	.223	2500	.161
875-HI1806T600R-10	1806	60	0.01	6	.22	.094	2000	.067
875-HI1806N910R-10	1806	91	0.03	3	.20	.086	2000	.061
875-HI1812T800R-10	1812	80	0.01	6	.30	.154	2500	.112
875-HI1812V101R-10	1812	100	0.01	8	.29	.152	2500	.29
875-HI2220T101R-10	2220	100	0.006	6	.48	.252	2000	.182
875-HI2220R181R-10	2220	180	0.02	5	1.26	.893	2000	.567
875-HI2220P251R-10	2220	250	0.015	4	1.26	.893	2000	.567
875-HI2220R301R-10	2220	300	0.02	5	1.26	.893	2000	.567
875-HI2220Q401R-10	2220	400	0.025	4.5	1.03	.744	2000	.506
875-HI2220P551R-10	2220	550	0.035	4	.87	.451	2000	.386
875-HI2220P601R-10	2220	600	0.025	4	1.58	1.06	2000	.652
875-HI2220P701R-10	2220	700	0.025	4	1.58	1.06	2000	.652
875-HI3312X101R-10	3312	100	0.004	10	.50	.27	2500	.187
<b>Low Current Chip Beads</b>								
875-LI0402E300R-10	0402	30	0.3	0.5	.10	.028	10000	.016
875-LI0402C470R-10	0402	47	0.15	0.3	.10	.025	10000	.014
875-LI0402E600R-10	0402	60	0.3	0.5	.10	.028	10000	.016
875-LI0402D121R-10	0402	120	0.4	0.4	.10	.028	10000	.016
875-LI0402C221R-10	0402	220	0.35	0.3	.10	.03	10000	.017
875-LI0402B301R-10	0402	300	0.8	0.2	.10	.028	10000	.016
875-LI0603E470R-10	0603	47	0.1	0.5	.10	.026	4000	.015
875-LI0603G800R-10	0603	80	0.2	0.7	.10	.026	4000	.015
875-LI0603G121R-10	0603	120	0.2	0.7	.10	.022	4000	.012
875-LI0603E151R-10	0603	150	0.25	0.5	.10	.026	4000	.015
875-LI0603B201R-10	0603	200	0.4	0.2	.10	.028	4000	.017
875-LI0603G221R-10	0603	220	0.3	0.7	.10	.026	4000	.015
875-LI0603D301R-10	0603	300	0.35	0.4	.10	.024	4000	.015
875-LI0805H750R-10	0805	75	0.15	0.8	.10	.025	4000	.015
875-LI0805H121R-10	0805	120	0.15	0.8	.10	.027	4000	.017
875-LI0805H151R-10	0805	150	0.15	0.8	.10	.027	4000	.017
875-LI0805G201R-10	0805	200	0.3	0.7	.10	.025	4000	.015
875-LI0805G301R-10	0805	300	0.2	0.7	.10	.025	4000	.015
875-LI1206H121R-10	1206	120	0.15	0.8	.10	.035	3000	.021
875-LI1206H151R-10	1206	150	0.15	0.8	.10	.033	3000	.022
875-LI1806E101R-10	1806	100	0.3	0.5	.21	.09	2000	.064
875-LI1806C151R-10	1806	150	0.5	0.3	.21	.091	2000	.065
875-LI1812D121R-10	1812	120	0.4	0.4	.25	.132	2500	.095

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MOUSER STOCK NO.	Case Size	Impedance @ 100MHz (Ω)	DCR (Ω)	I <sub>Max.</sub> (A)	Price Each		Reel Qty.	Price Each
					1	100		
<b>Mid Current Chip Beads</b>								
875-MI0603K300R-10	0603	30	0.09	1.5	.07	.027	4000	.017
875-MI0603J600R-10	0603	60	0.1	1	.10	.027	4000	.017
875-MI0603J680R-10	0603	68	0.1	1	.10	.027	4000	.017
875-MI0603M121R-10	0603	120	0.05	2.5	.10	.032	4000	.019
875-MI0603L221R-10	0603	220	0.065	2	.10	.032	4000	.019
875-MI0603L301R-10	0603	300	0.1	2	.10	.032	4000	.019
875-MI0603J601R-10	0603	600	0.2	1	.10	.03	4000	.019
875-MI0805K110R-10	0805	11	0.06	1.5	.10	.032	4000	.019
875-MI0805K400R-10	0805	40	0.05	1.5	.10	.03	4000	.018
875-MI0805M221R-10	0805	220	0.05	2.5	.10	.032	4000	.02
875-MI0805L301R-10	0805	300	0.1	2	.10	.032	4000	.021
875-MI0805K601R-10	0805	600	0.1	1.5	.10	.034	4000	.021
875-MI0805J102R-10	0805	1000	0.15	1	.10	.031	4000	.021
875-MI1206K260R-10	1206	26	0.06	1.5	.10	.032	3000	.022
875-MI1206K310R-10	1206	31	0.045	1.5	.10	.032	3000	.022
875-MI1206K601R-10	1206	60	0.1	2	.10	.034	3000	.023
875-MI1206K900R-10	1206	90	0.08	1.5	.10	.034	3000	.023
875-MI1206L391R-10	1206	390	0.05	2	.10	.034	3000	.023
875-MI1206L501R-10	1206	500	0.06	2	.10	.034	3000	.023
875-MI1210K600R-10	1210	60	0.035	1.5	.20	.086	3000	.061
875-MI1812K121R-10	1812	120	0.055	1.5	.26	.137	2500	.099
<b>Low Frequency Chip Beads</b>								
875-LF0805A252R-10	0805	1267	1.25	0.1	.13	.041	3000	.028
875-LF1206A302R-10	1206	915	1.05	0.1	.11	.041	3000	.028
875-LF1206C202R-10	1206	915	0.5	0.3	.12	.037	3000	.025
875-LF1206E152R-10	1206	950	0.3	0.5	.11	.033	3000	.022
<b>High Impedance Chip Beads</b>								
875-HZ0402A601R-10	0402	600	1	0.1	.10	.028	10000	.016
875-HZ0402B102R-10	0402	1000	1	0.2	.09	.031	10000	.018
875-HZ0402A152R-10	0402	1500	2	0.05	.10	.032	10000	.02
875-HZ0603C601R-10	0603	600	0.45	0.3	.10	.023	4000	.013
875-HZ0603C651R-10	0603	650	0.6	0.3	.10	.029	4000	.018
875-HZ0603B751R-10	0603	750	0.6	0.2	.10	.024	4000	.015
875-HZ0603B102R-10	0603	1000	0.8	0.2	.10	.024	4000	.014
875-HZ0603B112R-10	0603	1100	0.8	0.2	.08	.03	4000	.018
875-HZ0603A152R-10	0603	1500	0.9	0.1	.10	.027	4000	.017
875-HZ0603A182R-10	0603	1800	1.5	0.05	.12	.065	4000	.035
875-HZ0603A222R-10	0603	2200	1.5	0.1	.10	.029	4000	.018
875-HZ0603A252R-10	0603	2500	1.5	0.05	.08	.03	4000	.018
875-HZ0805G471R-10	0805	470	0.35	0.7	.10	.027	4000	.016
875-HZ0805E601R-10	0805	600	0.3	0.5	.10	.025	4000	.015
875-HZ0805D102R-10	0805	1000	0.35	0.4	.10	.027	4000	.016
875-HZ0805D152R-10	0805	1500	0.4	0.4	.10	.034	4000	.021
875-HZ0805C202R-10	0805	2000	0.5	0.3	.10	.035	4000	.021
875-HZ0805B222R-10	0805	2200	0.8	0.2	.10	.034	4000	.021
875-HZ0805B272R-10	0805	2700	0.8	0.2	.17	.101	4000	.063
875-HZ1206E601R-10	1206	600	0.3	0.5	.10	.035	3000	.021
875-HZ1206C202R-10	1206	950	0.5	0.3	.12	.036	3000	.024
875-HZ1206D102R-10	1206	1000	0.4	0.4	.10	.035	3000	.021
875-HZ1206E152R-10	1206	1500	0.3	0.5	.10	.032	3000	.022
875-HZ1806K102R-10	1806	1000	0.15	1.5	.26	.111	2000	.079