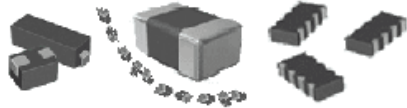


## \* Ferrite EMI Chip Bead Master List



### Steward's Part Number Prefix Code

**HR:** High Retention under bias  
**HI:** High Current  
**HF:** High Frequency  
**MI:** Mid Current  
**LI:** Low Current  
**DM:** Differential Mode & Ultra High Current  
**HZ:** High Impedance  
**DA:** 4 Line Array

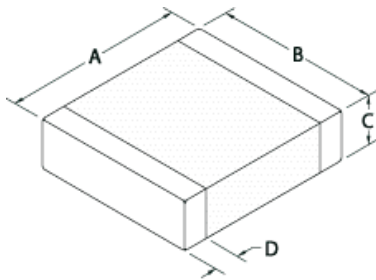


Figure #1

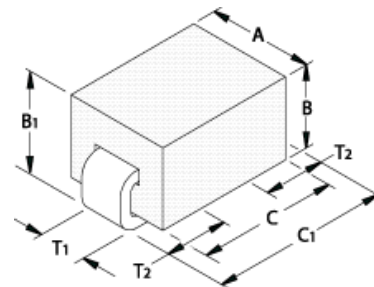


Figure #2

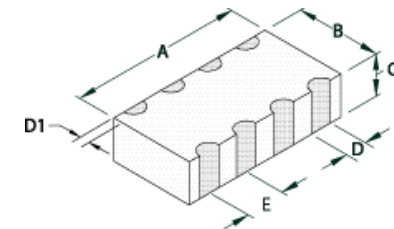


Figure #3

### View Chart Data In:

 Millimeters Only

 Inches Only

 Both (Millimeters and Inches)

**SORT:** Click on the (ascending) or (descending) in any chart heading to sort entire chart by data in that selected column.

**IMPEDANCE CURVES:** Click on the Part Number links below to view impedance curves.

**COMPARE:** For side-by-side comparison of data for a limited selection of parts, click on boxes under the "Compare" heading. Then click the "Compare Selected Parts" button at the bottom of this chart.

Part Number A ↓ Z ↓ Z ↓ A ↓	Compare Selected Parts	Figure Number A ↓ Z ↓ Z ↓ A ↓	Typical Z Ohms @ 25 MHz A ↓ Z ↓ Z ↓ A ↓	Nominal Z Ohms @ 100 MHz A ↓ Z ↓ Z ↓ A ↓	Typical Z Ohms @ 300 MHz A ↓ Z ↓ Z ↓ A ↓	Typical Z Ohms @ 1 GHz A ↓ Z ↓ Z ↓ A ↓	Typical Peak Impedance (Ohms) A ↓ Z ↓ Z ↓ A ↓	Peak Impedance Frequency (MHz) A ↓ Z ↓ Z ↓ A ↓	DCR Max (Ohms) A ↓ Z ↓ Z ↓ A ↓	Rated Current mA (continuous) A ↓ Z ↓ Z ↓ A ↓	A mm A ↓ Z ↓ Z ↓ A ↓	B mm A ↓ Z ↓ Z ↓ A ↓	B1 mm A ↓ Z ↓ Z ↓ A ↓	C mm A ↓ Z ↓ Z ↓ A ↓	C1 mm A ↓ Z ↓ Z ↓ A ↓	D mm A ↓ Z ↓ Z ↓ A ↓	D1 mm A ↓ Z ↓ Z ↓ A ↓	E mm A ↓ Z ↓ Z ↓ A ↓	T1 mm A ↓ Z ↓ Z ↓ A ↓	T2 mm A ↓ Z ↓ Z ↓ A ↓
<a href="#">28F0121-0SR-10</a>		2	30	55	52	-	55	1000	0.00075	10000	3.05	2.54	3.05	4.06	5.08	-	-	-	1.27	1.52
<a href="#">28F0121-1SR-10</a>		2	60	96	115	-	115	300	0.001	10000	3.05	2.54	3.05	8.51	9.53	-	-	-	1.27	1.52
<a href="#">28F0181-1SR-10</a>		2	72	115	130	-	130	300	0.001	10000	4.57	2.54	3.05	8.51	9.53	-	-	-	1.27	1.52
<a href="#">DA1206B102R-10</a>		3	275	1000	904	-	1129	175	0.80	200	3.20	1.60	-	0.90	-	0.40	0.20	0.80	-	-
<a href="#">DA1206B601R-10</a>		3	169	600	690	-	761	214	0.60	200	3.20	1.60	-	0.80	-	0.40	0.20	0.80	-	-
<a href="#">DA1206C121R-10</a>		3	39	120	186	-	211	559	0.20	300	3.20	1.60	-	0.80	-	0.40	0.20	0.80	-	-
<a href="#">DA1206D301R-10</a>		3	94	300	417	-	420	261	0.40	400	3.20	1.60	-	0.80	-	0.40	0.20	0.80	-	-
<a href="#">DA1206D600R-10</a>		3	15	60	98	-	133	1103	0.2	400	3.20	1.60	-	0.80	-	0.40	0.20	0.80	-	-
<a href="#">DA1206E300R-10</a>		3	10	30	44	-	56	950	0.30	500	3.20	1.60	-	0.80	-	0.40	0.20	0.80	-	-
<a href="#">HF1206J150R-10</a>		1	-	2	5	15	-	-	0.06	1000	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">HI0603P600R-10</a>		1	25	60	75	-	85	739	0.030	4000	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">HI0805Q121R-10</a>		1	61	120	163	-	167	231	0.020	3500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HI0805Q310R-10</a>		1	12	31	38	-	44	800	0.025	4500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HI0805R800R-10</a>		1	38	80	90	-	95	200	0.010	5000	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HI1206N101R-10</a>		1	41	100	140	-	150	500	0.035	3000	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">HI1206N800R-10</a>		1	38	80	118	-	130	800	0.035	3000	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">HI1206P121R-10</a>		1	56	120	122	-	142	200	0.030	4000	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">HI1206T161R-10</a>		1	70	160	230	-	229	300	0.018	5000	3.20	1.60	-	1.35	-	0.51	-	-	-	-
<a href="#">HI1206T500R-10</a>		1	19	50	61	-	70	1018	0.010	6000	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">HI1612X560R-10</a>		1	23	56	70	173	81	940	0.004	10000	4.06	3.05	-	2.28	-	0.46	-	-	-	-
<a href="#">HI1806T600R-10</a>		1	28	60	80	-	92	1000	0.010	6000	4.50	1.60	-	1.60	-	0.51	-	-	-	-
<a href="#">HI1812N121R-10</a>		1	42	120	142	-	170	800	0.040	3000	4.50	3.20	-	1.40	-	0.46	-	-	-	-
<a href="#">HI1812T800R-10</a>		1	30	80	90	-	108	1000	0.010	6000	4.50	3.20	-	1.40	-	0.46	-	-	-	-
<a href="#">HI1812V101R-10</a>		1	45	100	125	-	135	600	0.010	8000	4.50	3.20	-	2.30	-	0.46	-	-	-	-
<a href="#">HI2220P171R-10</a>		1	80	170	240	-	255	500	0.030	4000	5.59	5.08	-	1.52	-	0.76	-	-	-	-
<a href="#">HI2220P251R-10</a>		1	100	250	260	-	390	200	0.035	4000	5.59	5.08	-	1.80	-	0.76	-	-	-	-
<a href="#">HI2220P271R-10</a>		1	110	270	390	-	390	300	0.035	4000	5.59	5.08	-	3.20	-	0.76	-	-	-	-
<a href="#">HI2220P551R-10</a>		1	180	550	850	-	850	300	0.035	4000	5.59	5.08	-	1.97	-	0.76	-	-	-	-

<a href="#">HI2220P601R-10</a>	1	220	600	260	-	600	100	0.025	4000	5.59	5.08	-	3.05	-	0.76	-	-	-	-
<a href="#">HI2220P701R-10</a>	1	200	700	250	-	700	100	0.025	4000	5.59	5.08	-	3.05	-	0.76	-	-	-	-
<a href="#">HI2220Q401R-10</a>	1	100	400	300	-	450	150	0.030	4500	5.59	5.08	-	3.20	-	0.76	-	-	-	-
<a href="#">HI2220R151R-10</a>	1	60	150	210	-	230	500	0.015	5000	5.59	5.08	-	1.80	-	0.76	-	-	-	-
<a href="#">HI2220R181R-10</a>	1	80	180	250	-	270	400	0.020	5000	5.59	5.08	-	1.80	-	0.76	-	-	-	-
<a href="#">HI2220R301R-10</a>	1	100	300	300	-	380	200	0.020	5000	5.59	5.08	-	3.20	-	0.76	-	-	-	-
<a href="#">HI2220T101R-10</a>	1	50	100	140	-	160	600	0.006	6000	5.59	5.08	-	1.80	-	0.076	-	-	-	-
<a href="#">HI2520P751R-10</a>	1	300	750	300	-	750	100	0.020	4000	6.40	5.00	-	3.00	-	0.76	-	-	-	-
<a href="#">HI3312X101R-10</a>	1	39	100	139	172	175	1059	0.004	1000	8.50	3.05	-	2.28	-	0.51	-	-	-	-
<a href="#">HR2220P601R-10</a>	1	200	600	250	-	600	100	0.025	4000	5.59	5.08	-	3.05	-	0.76	-	-	-	-
<a href="#">HR2220V801R-10</a>	1	150	800	170	-	910	90	0.010	8000	5.59	5.08	-	3.61	-	0.76	-	-	-	-
<a href="#">HZ0402A601R-10</a>	1	182	600	932	-	965	241	1.00	100	1.01	0.50	-	0.50	-	0.30	-	-	-	-
<a href="#">HZ0603A222R-10</a>	1	195	2200	591	-	3051	122	1.5	100	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">HZ0603B102R-10</a>	1	153	1000	632	-	992	135	0.60	200	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">HZ0603B112R-10</a>	1	515	1100	1534	743	1539	288	0.80	200	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">HZ0603C601R-10</a>	1	232	600	620	-	775	168	0.45	300	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">HZ0603C651R-10</a>	1	296	650	931	666	975	400	0.60	300	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">HZ0805B272R-10</a>	1	-	2700	-	-	-	-	0.8	200	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HZ0805C202R-10</a>	1	329	2000	567	-	2099	100	0.500	300	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HZ0805D102R-10</a>	1	415	1000	567	-	1268	113	0.300	400	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HZ0805D152R-10</a>	1	289	1500	597	-	1525	110	0.400	400	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HZ0805E601R-10</a>	1	277	600	533	-	696	155	0.300	500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">HZ0805G471R-10</a>	1	221	470	429	-	572	149	0.20	700	2.00	1.25	-	0.85	-	0.51	-	-	-	-
<a href="#">HZ1206C202R-10</a>	1	1673	2000	290	-	2505	41	0.50	300	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">HZ1206D102R-10</a>	1	210	1000	282	-	973	92	0.400	400	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">HZ1206E601R-10</a>	1	296	600	195	-	674	75	0.30	500	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">LI0402B301R-10</a>	1	96	300	533	-	549	374	0.80	200	1.01	0.50	-	0.50	-	0.30	-	-	-	-
<a href="#">LI0402D121R-10</a>	1	40	120	175	-	213	682	0.040	400	1.01	0.50	-	0.50	-	0.30	-	-	-	-
<a href="#">LI0402E300R-10</a>	1	9	30	43	-	58	1195	0.30	500	1.01	0.50	-	0.50	-	0.30	-	-	-	-
<a href="#">LI0402E600R-10</a>	1	29	60	84	-	97	801	0.30	500	1.01	0.50	-	0.50	-	0.30	-	-	-	-
<a href="#">LI0603D301R-10</a>	1	144	300	385	-	389	261	0.35	400	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">LI0603G121R-10</a>	1	52	120	173	-	177	389	0.20	700	1.60	0.80	-	0.80	-	0.36	-	-	-	-

<a href="#">LI0603G221R-10</a>	1	98	220	279	-	283	251	0.300	700	1.60	0.80	-	0.80	-	0.32	-	-	-	-
<a href="#">LI0603G800R-10</a>	1	32	80	95	-	101	515	0.20	700	1.60	0.80	-	0.80	-	0.036	-	-	-	-
<a href="#">LI0805G301R-10</a>	1	124	300	327	-	350	205	0.20	700	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">LI0805H121R-10</a>	1	56	120	170	-	171	319	0.15	800	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">LI0805H151R-10</a>	1	71	150	205	-	209	374	0.15	800	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">LI0805H750R-10</a>	1	31	75	112	-	132	769	0.15	800	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">LI1206E310R-10</a>	1	17	31	50	-	57	841	0.20	500	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">LI1206H121R-10</a>	1	53	120	142	-	145	422	0.15	800	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">LI1206H151R-10</a>	1	73	150	179	-	182	241	0.15	800	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">LI1806C151R-10</a>	1	60	142	195	-	223	871	0.500	300	4.50	1.60	-	1.60	-	0.51	-	-	-	-
<a href="#">LI1806E101R-10</a>	1	45	105	143	-	166	966	0.30	500	4.50	1.60	-	1.60	-	0.51	-	-	-	-
<a href="#">LI1806E800R-10</a>	1	28	69	97	-	117	1103	0.30	500	4.50	1.60	-	1.60	-	0.51	-	-	-	-
<a href="#">MI0603J600R-10</a>	1	25	60	85	-	95	600	0.100	1000	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">MI0603J601R-10</a>	1	225	600	410	-	620	150	0.20	1000	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">MI0603J680R-10</a>	1	35	68	65	-	110	650	0.10	1000	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">MI0603K300R-10</a>	1	12	30	340	-	45	700	0.09	1500	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">MI0603L301R-10</a>	1	50	300	390	-	410	200	0.10	2000	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">MI0603M121R-10</a>	1	55	120	165	-	170	400	0.050	2500	1.60	0.80	-	0.80	-	0.36	-	-	-	-
<a href="#">MI0805J070R-10</a>	1	2	7	17	-	34	1100	0.10	1000	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">MI0805K110R-10</a>	1	5	11	16	-	24	1150	0.06	1500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">MI0805K260R-10</a>	1	11	26	35	-	43	800	0.06	1500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">MI0805K400R-10</a>	1	19	40	59	-	69	903	0.050	1500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">MI0805K601R-10</a>	1	280	600	400	-	710	150	0.10	1500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">MI0805L301R-10</a>	1	135	300	360	-	350	200	0.06	2000	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">MI0805M221R-10</a>	1	100	220	275	-	280	200	0.050	2500	2.00	1.25	-	0.90	-	0.51	-	-	-	-
<a href="#">MI1206K260R-10</a>	1	12	26	38	-	46	800	0.060	1500	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">MI1206K310R-10</a>	1	12	31	35	-	41	1000	0.045	1500	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">MI1206K601R-10</a>	1	300	600	200	-	650	80	0.080	2000	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">MI1206K900R-10</a>	1	44	90	133	-	154	867	0.080	1500	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">MI1206L501R-10</a>	1	210	500	180	-	500	100	0.060	2000	3.20	1.60	-	1.10	-	0.51	-	-	-	-
<a href="#">MI1210K600R-10</a>	1	30	60	85	-	100	700	0.035	1500	3.20	2.50	-	1.40	-	0.46	-	-	-	-
<a href="#">MI1812K121R-10</a>	1	45	120	150	-	170	800	0.055	1500	4.50	3.20	-	1.40	-	0.46	-	-	-	-

Custom Parts are also available.

[Request PDF's of part prints](#)

**Part Diagrams**

**Land Pattern**

**Equivalent Circuit**

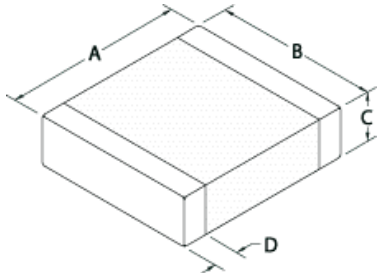


Figure #1

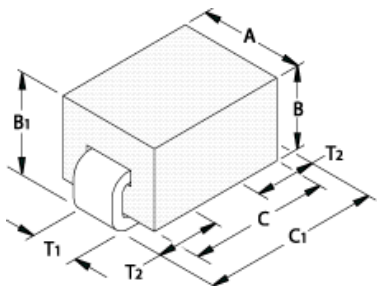
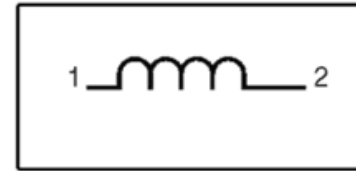
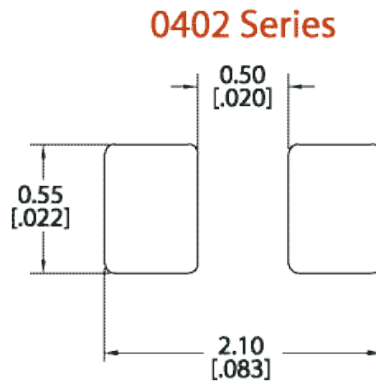
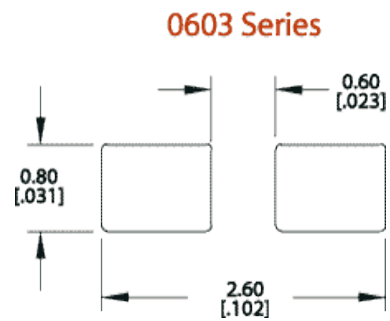


Figure #2



**0805 Series**

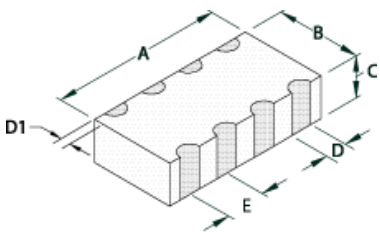
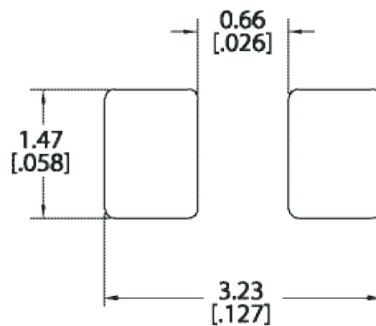
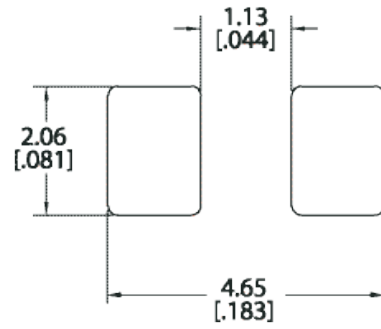
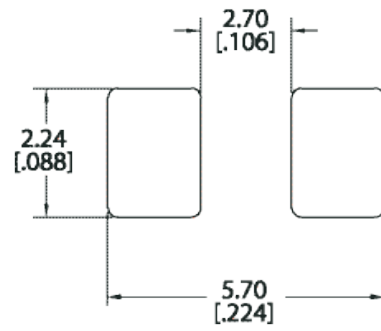


Figure #3

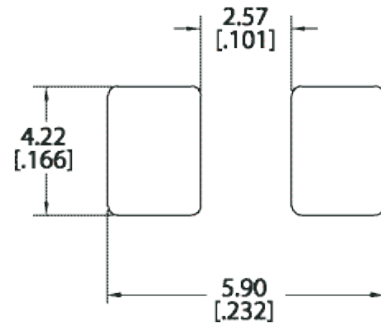
### 1206 Series



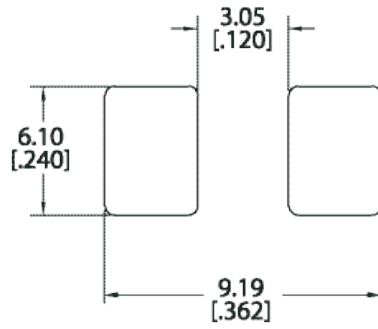
### 1806 Series



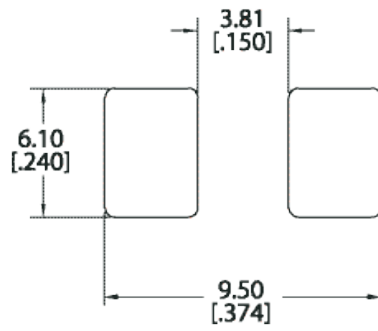
### 1812 Series



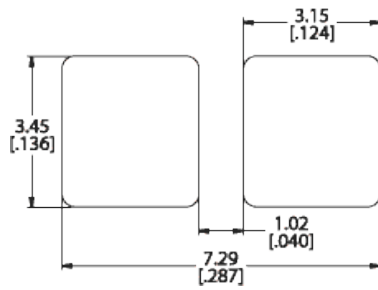
### 2220 Series



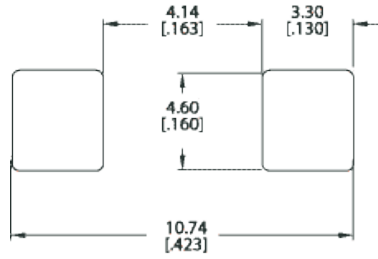
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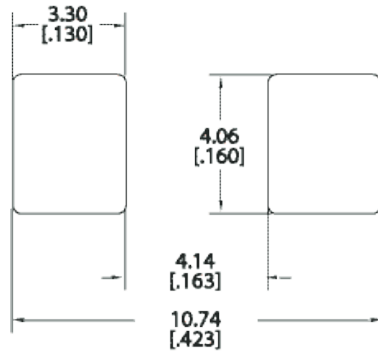
### 28F0121-0SR



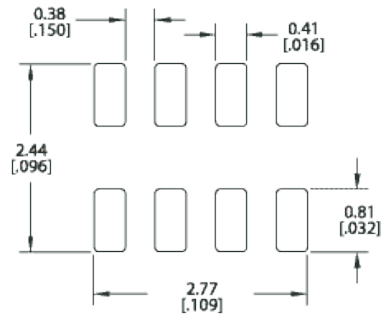
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### 28F0181-1SR

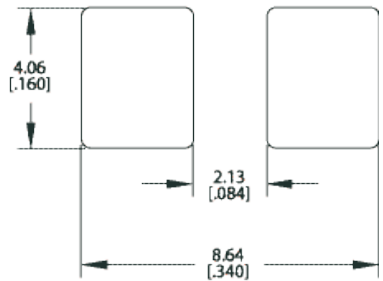


### DA1206 Series

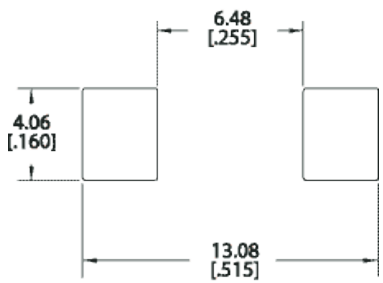




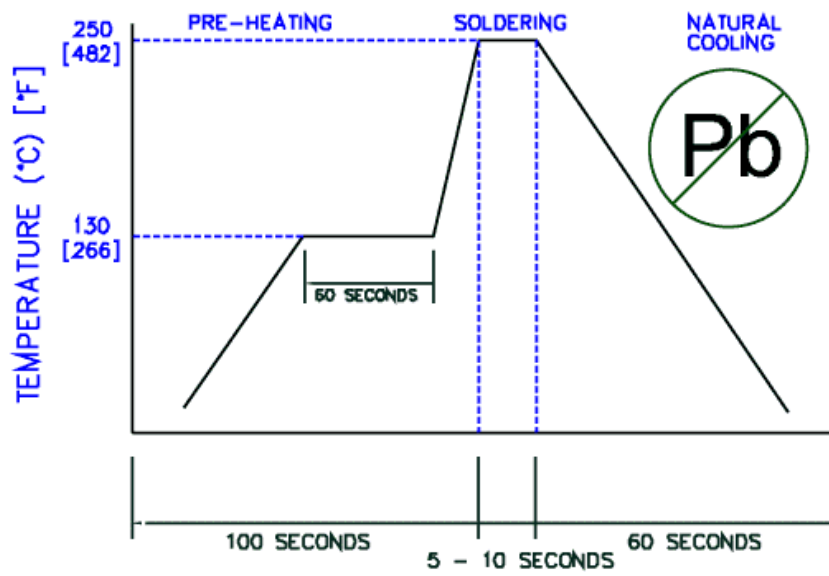
### DM1612 Series



### DM3312 Series



## Sodering Conditions



Specifications, which provide more details for the correct use of the described products, are available upon request. All specifications are subject to change without notice. For more technical information on any of the products listed above, please contact the Steward USA customer service department at 1 (800) 634-2673 or contact one of the Steward facilities below.

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