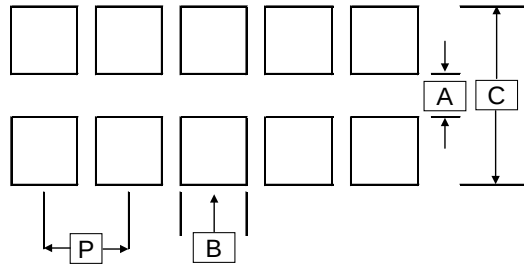
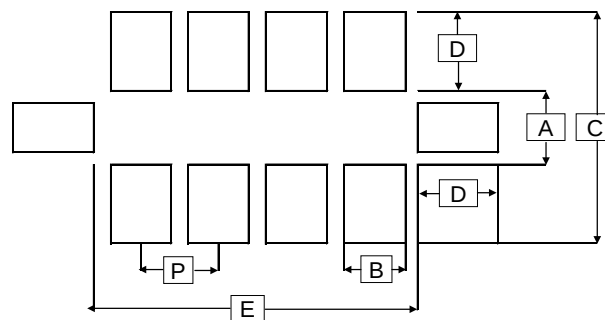


RACF648N and RACF648R



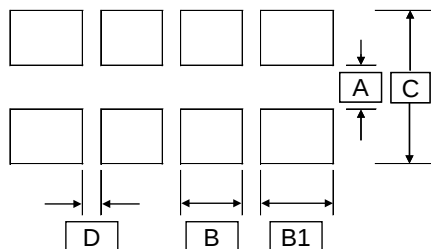
Type	A	B	C	P	Unit
RACF648N/RACF648R	0.031 0.80	0.028 0.70	0.122 3.10	0.050 1.27	Inches mm

RACF408M



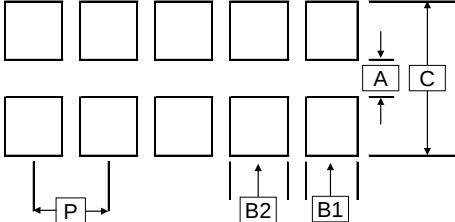
Type	A	B	C	D	E	P	Unit
RACF408M	0.039 1.00	0.020 0.50	0.118 3.00	0.039 1.00	0.134 3.40	0.031 0.80	Inches mm

RAVF104D



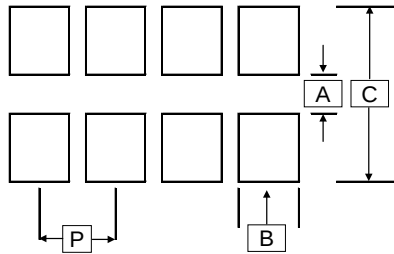
Type	A	B	B1	C	D	Unit
RAVF104D	0.020 0.50	0.012 0.30	0.016 0.40	0.059 1.50	0.008 0.20	Inches mm

RAVF324D					
Type	A	B	C	P	Unit
RAVF324D	0.087 2.20	0.032 0.82	0.171 4.35	0.050 1.27	Inches mm

RAVF328R						
						
Type	A	B1	B2	C	P	Unit
RAVF328R	0.031 0.80	0.013 0.34	0.018 0.45	0.122 3.10	0.025 0.64	Inches mm

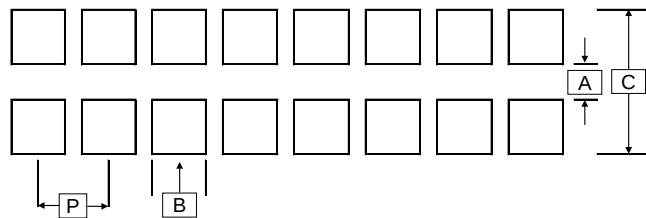
RAVF162D					
Type	A	B	C	P	Unit
RAVF162D	0.031 0.80	0.020 0.50	0.122 3.10	0.031 0.80	Inches mm

RACF164D and RAVF164D



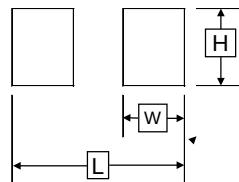
Type	A	B	C	P	Unit
RACF164D/RAVF164D	0.031 0.80	0.025 0.63	0.122 3.10	0.031 0.80	Inches mm

RAVF168D



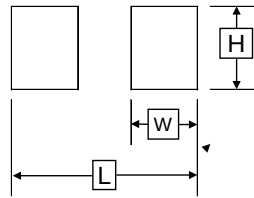
Type	A	B	C	P	Unit
RAVF168D	0.039 1.00	0.012 0.30	0.110 2.80	0.020 0.50	Inches mm

SMD Chips (unless otherwise specified)

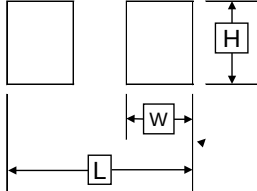


SIZE	L	H	W	Unit
0201	0.031 0.79	0.017 0.43	0.011 0.28	inches mm
0402	0.051 1.30	0.024 0.60	0.016 0.40	inches mm
0603	0.079 2.00	0.035 0.90	0.020 0.50	inches mm
0805	0.102 2.60	0.051 1.30	0.028 0.70	inches mm
1206	0.150 3.80	0.067 1.70	0.035 0.90	inches mm
1210	0.150 3.80	0.098 2.50	0.035 0.90	inches mm
2010	0.232 5.90	0.098 2.50	0.039 1.00	inches mm
2512	0.283 7.20	0.126 3.20	0.039 1.00	inches mm

RHC, SM, HVC, and CSNL Series



Type	L	H	W	Unit
RHC Series	0.315 8.00	0.138 3.50	0.118 3.00	inches mm
SM2615	0.35 8.90	0.13 3.30	0.14 3.50	inches mm
SM4124	0.58 14.80	0.16 4.00	0.18 4.60	inches mm
SM4527, SMH4527	0.59 14.90	0.16 4.00	0.17 4.30	inches mm
SM6227	0.85 21.60	0.17 4.20	0.24 6.20	inches mm
SM8035	0.95 24.10	0.19 4.80	0.34 8.60	inches mm
HVC0603	0.079 2.00	0.035 0.90	0.018 0.45	inches mm
HVC0805	0.102 2.60	0.051 1.30	0.018 0.45	inches mm
HVC1206	0.150 3.80	0.067 1.70	0.024 0.60	inches mm
HVC2010	0.232 5.90	0.098 2.50	0.031 0.80	inches mm
HVC2512	0.283 7.20	0.126 3.20	0.031 0.80	inches mm
CSNL1206	0.197 5.00	0.079 2.00	0.063 1.60	inches mm
CSNL2010 < 0.004	0.276 7.00	0.114 2.90	0.106 2.70	inches mm
CSNL2010 ≥ 0.004	0.276 7.00	0.114 2.90	0.079 2.00	inches mm
CSNL2512 = 0.0005	0.360 9.15	0.146 3.70	0.126 3.20	inches mm
CSNL2512 = 0.00075; 0.001; 0.0025; 0.003; 0.0035	0.329 8.35	0.146 3.70	0.110 2.80	inches mm
CSNL2512 = 0.0015; 0.002; 0.004; 0.01	0.295 7.50	0.146 3.70	0.087 2.20	inches mm

CSS and CSSH				
				
Type	L	H	W	Unit
CSS1206	0.197	0.079	0.063	inches
	5.00	2.00	1.60	mm
CSS2010 <0.004	0.276	0.114	0.106	inches
	7.00	2.90	2.70	mm
CSS2010 ≥0.004	0.276	0.114	0.079	inches
	7.00	2.90	2.00	mm
CSS2512 <0.005	0.319	0.150	0.118	inches
	8.10	3.80	3.00	mm
CSS2512 ≥0.005	0.319	0.150	0.098	inches
	8.10	3.80	2.50	mm
CSSH2512 <0.002	0.319	0.150	0.118	inches
	8.10	3.80	3.00	mm
CSSH2512 ≥0.002	0.319	0.150	0.098	inches
	8.10	3.80	2.50	mm
CSS2725 0.00025 & 0.0015	0.346	0.280	0.130	inches
	8.80	7.10	3.30	mm
CSS2725 0.001	0.354	0.280	0.130	inches
	9.00	7.10	3.30	mm
CSS2725 0.002	0.339	0.280	0.110	inches
	8.60	7.10	2.80	mm
CSS2725 0.0025	0.339	0.280	0.102	inches
	8.60	7.10	2.60	mm
CSS2725 0.003	0.339	0.280	0.091	inches
	8.60	7.10	2.30	mm
CSSH2728	0.362	0.280	0.087	inches
	9.20	7.10	2.20	mm

All tolerances ±0.25 mm (±0.01 inches), unless otherwise specified.

NL Series

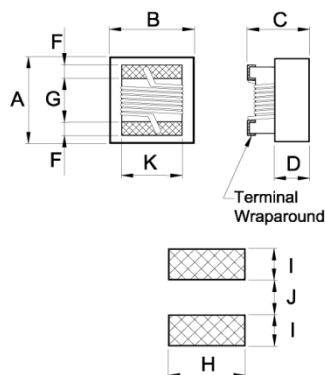


Figure 1

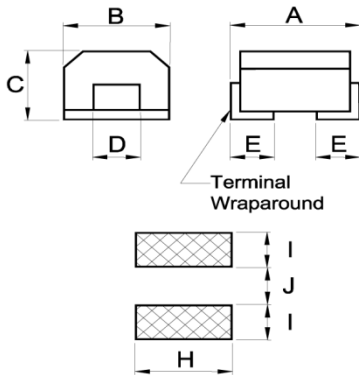


Figure 2

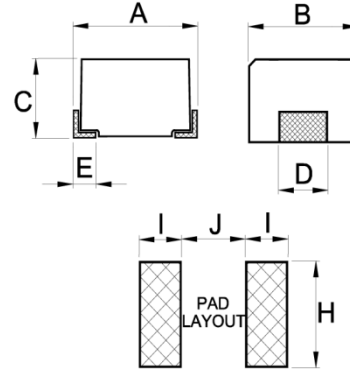


Figure 3

Type	Figure	A max.	B max.	C max.	D ref.	E	F	G	H	I	J	K	Unit
LWF0805	1	0.094 2.40	0.067 1.71	0.057 1.45	0.026 0.65	-	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	0.050 1.27	inches mm
LWF1008	1	0.115 2.92	0.110 2.79	0.083 2.10	0.047 1.20	-	0.018 0.45	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	0.080 2.03	inches mm
LWF1210	2	0.138 3.50	0.110 2.80	0.098 2.50	0.063 1.60	0.03 0.8	- -	- -	0.079 2.00	0.047 1.20	0.063 1.60	- -	inches mm
LWF1812	2	0.189 4.80	0.138 3.50	0.138 3.50	0.071 1.80	0.043 1.10	- -	- -	0.110 2.80	0.059 1.50	0.118 3.00	- -	inches mm
LWF2220	3	0.232 5.90	0.205 5.20	0.169 4.30	0.157 ± 0.008 4.00 ± 0.20	0.028 ± 0.008 0.70 ± 0.20	- -	- -	0.177 4.50	0.079 2.00	0.157 4.00	- -	inches mm