

Figure 1. Dimensions



Figure 2A.



Figure 2B.

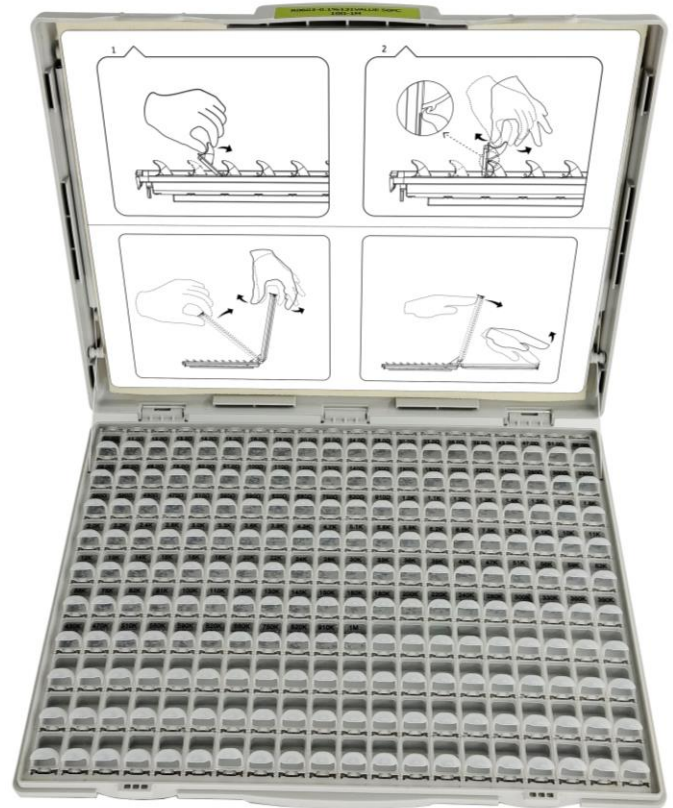


Figure 2C.

DESCRIPTION

By its name, this 200-Bin Resistor Kits use our patented Super Enclosure which has 200 individually lidded and labeled bins for storing up to 200 different types of SMD resistors. Figure 1 shows the Super Enclosure dimensions. Figure 2's shows the photos of the Super Enclosure. Table 3 is the selection guide for different type of kits available in this series and their online purchasing links. The kits are categorized by the size of the resistors, the number of values/kit, and the number of pieces/value. Table 1 shows the specifications of the resistors. This **200-Bin Resistor Kit™** contains 1% 0402 size SMT resistors, of either 196 values (1 kit), or 760 values (4 kits in a set).

There are four combinations for the number of resistors per value in one kit:

20 PCs per value for rarely used values and 50 PCs per value for commonly used values;

40 PCs per value for rarely used values and 100 PCs per value for commonly used values;

50 PCs per value for rarely used values and 200 PCs per value for commonly used values;

100 PCs per value for rarely used values and 500 PCs per value for commonly used values;

Operating the enclosure is easy and convenient so that your time for obtaining a particular resistor is minimized to just seconds.

The kits can easily be placed on a work bench, put on a shelf, or transported to other sites, and are the best choice for building prototypes, doing experiments on new circuits, or reworking printed circuit boards.

For more detailed information:

www.analogtechnologies.com

www.smtzone.com

E-mail us: staff@analogti.com

SPECIFICATIONS

Table 1. Characteristics

Type	Power	Operating Temperature Range	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Resistance Range	Tolerance	Temperature Coefficient	Jumper Criteria	
									Rated Current	Max. Current
0402	1/16W	-55°C to 155°C	50V	100V	100V	0Ω to 100MΩ	1%	$1\Omega \leq R \leq 10\Omega$ $-100 \sim 350\text{ppm}/^\circ\text{C}$ $10\Omega < R \leq 10\text{M}\Omega$ $\pm 200\text{ppm}/^\circ\text{C}$	1.0A	2.0A

Table 2. For outlines, please refer to Figure 3.

Type	L	W	H	I ₁	I ₂	Unit
0402	0.039 ± 0.002	0.020 ± 0.002	0.013 ± 0.002	0.008 ± 0.004	0.010 ± 0.004	inch
	1.00 ± 0.05	0.50 ± 0.05	0.32 ± 0.05	0.20 ± 0.10	0.25 ± 0.10	mm

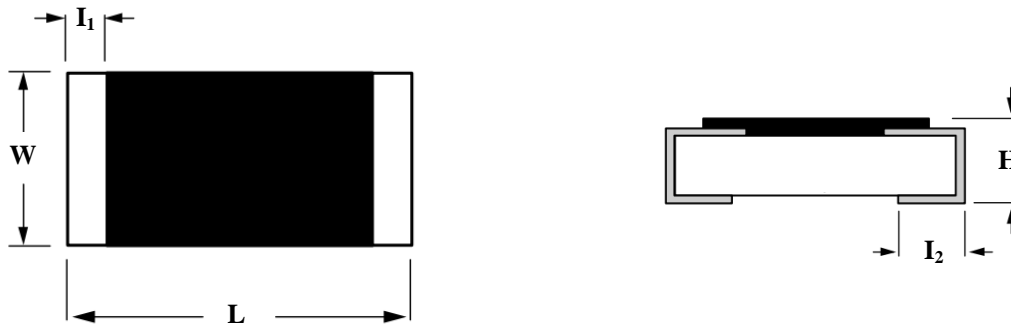


Figure 3. Resistor Dimensions

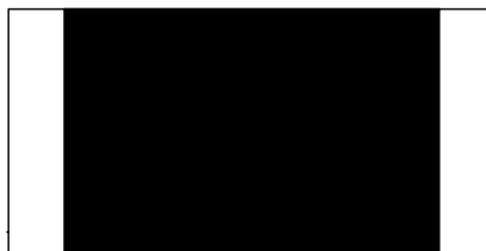

0402 No Marking

Figure 4. Resistor Marking Code

SZ : SMTZone.com, our own online store, no commission fee.

AS : shop.analogtechnologies.com, our own online store, no commission fee.

Table 3. Selection Guide for different type of kits available.

Value \ Size	0402	Value \ Size	0402
196 Values	R04B196V50-20D 50/20PCs/Value AS SZ	760 Values	R04B760V50-20D 50/20PCs/Value AS SZ
	R04B196V100-40D 100/40PCs/Value AS SZ		R04B760V100-40D 100/40PCs/Value AS SZ
	R04B196V200-50D 200/50PCs/Value AS SZ		R04B760V200-50D 200/50PCs/Value AS SZ
	R04B196V500-100D 500/100PCs/Value AS SZ		R04B760V500-100D 500/100PCs/Value AS SZ

Table 4. Available Values for **196Value Kits**.

Note: In the following tables, the values **in blue** are rarely used values.

0Ω	0.1Ω	0.12Ω	0.15Ω	0.18Ω	0.2Ω	0.25Ω	0.3Ω	0.36Ω	0.43Ω	0.5Ω	0.62Ω	0.75Ω	0.91Ω	1Ω	1.1Ω	1.2Ω	1.3Ω	1.5Ω	1.8Ω
2Ω	2.2Ω	2.49Ω	2.7Ω	3Ω	3.3Ω	3.6Ω	4.02Ω	4.3Ω	4.7Ω	4.99Ω	5.6Ω	6.2Ω	6.8Ω	7.5Ω	8.2Ω	9.1Ω	10Ω	11Ω	12Ω
13Ω	15Ω	16.5Ω	18Ω	20Ω	22Ω	24.9Ω	27Ω	30Ω	33Ω	36Ω	40.2Ω	43Ω	47Ω	49.9Ω	56Ω	62Ω	68Ω	75Ω	82Ω
91Ω	100Ω	110Ω	120Ω	130Ω	150Ω	165Ω	180Ω	200Ω	220Ω	249Ω	270Ω	300Ω	330Ω	360Ω	402Ω	430Ω	470Ω	499Ω	560Ω
620Ω	680Ω	750Ω	820Ω	910Ω	1K	1.1K	1.2K	1.3K	1.5K	1.65K	1.8K	2K	2.2K	2.49K	2.7K	3K	3.3K	3.6K	4.02K
4.3K	4.7K	4.99K	5.6K	6.2K	6.8K	7.5K	8.2K	9.1K	10K	11K	12K	13K	15K	16.5K	18K	20K	22K	24.9K	27K
30K	33K	36K	40.2K	43K	47K	49.9K	56K	62K	68K	75K	82K	91K	100K	110K	120K	130K	150K	165K	180K
200K	220K	249K	270K	300K	330K	360K	402K	430K	470K	499K	560K	620K	680K	750K	820K	910K	1M	1.1M	1.2M
1.3M	1.5M	1.65M	1.8M	2M	2.2M	2.49M	2.7M	3M	3.3M	3.6M	4.02M	4.3M	4.7M	4.99M	5.6M	6.2M	6.8M	7.5M	8.2M
9.1M	10M	12M	15M	18M	20M	24.9M	30M	36M	40.2M	43M	49.9M	62M	82M	91M	100M				



Table 5. Available Values for 760 Value Kits: 1/4 set.

Table with 20 columns and 10 rows of resistor values ranging from 0Ω to 154Ω.

Table 6. Available Values for 760 Value Kits: 2/4 set.

Table with 20 columns and 10 rows of resistor values ranging from 158Ω to 7.32K.



Table 7. Available Values for 760 Value Kits: 3/4 set.

7.5K	7.68K	7.87K	8.06K	8.2K	8.25K	8.45K	8.66K	8.87K	9.09K	9.1K	9.31K	9.53K	9.76K						
10K	10.2K	10.5K	10.7K	11K	11.3K	11.5K	11.8K	12K	12.1K	12.4K	12.7K	13K	13.3K	13.7K	14K	14.3K	14.7K	15K	15.4K
15.8K	16K	16.2K	16.5K	16.9K	17.4K	17.8K	18K	18.2K	18.7K	19.1K	19.6K	20K	20.5K	21K	21.5K	22K	22.1K	22.6K	23.2K
23.7K	24K	24.3K	24.9K	25.5K	26.1K	26.7K	27K	27.4K	28K	28.7K	29.4K	30K	30.1K	30.9K	31.6K	32.4K	33K	33.2K	34K
34.8K	35.7K	36K	36.5K	37.4K	38.3K	39K	39.2K	40.2K	41.2K	42.2K	43K	43.2K	44.2K	45.3K	46.4K	47K	47.5K	48.7K	49.9K
51K	51.1K	52.3K	53.6K	54.9K	56K	56.2K	57.6K	59K	60.4K	61.9K	62K	63.4K	64.9K	66.5K	68K	68.1K	69.8K	71.5K	73.2K
75K	76.8K	78.7K	80.6K	82K	82.5K	84.5K	86.6K	88.7K	90.9K	91K	93.1K	95.3K	97.6K						
100K	102K	105K	107K	110K	113K	115K	118K	120K	121K	124K	127K	130K	133K	137K	140K	143K	147K	150K	154K
158K	160K	162K	165K	169K	174K	178K	180K	182K	187K	191K	196K	200K	205K	210K	215K	220K	221K	226K	232K
237K	240K	243K	249K	255K	261K	267K	270K	274K	280K	287K	294K	300K	301K	309K	316K	324K	330K	332K	340K

Table 8. Available Values for 760 Value Kits: 4/4 set.

348K	357K	360K	365K	374K	383K	390K	392K	402K	412K	422K	430K	432K	442K	453K	464K	470K	475K	487K	499K
510K	511K	523K	536K	549K	560K	562K	576K	590K	604K	619K	620K	634K	649K	665K	680K	681K	698K	715K	732K
750K	768K	787K	806K	820K	825K	845K	866K	887K	909K	910K	931K	953K	976K						
1M	1.02M	1.05M	1.07M	1.1M	1.13M	1.15M	1.18M	1.2M	1.21M	1.24M	1.27M	1.3M	1.33M	1.37M	1.4M	1.43M	1.47M	1.5M	1.54M
1.58M	1.6M	1.62M	1.65M	1.69M	1.74M	1.78M	1.8M	1.82M	1.87M	1.91M	1.96M	2M	2.05M	2.1M	2.15M	2.2M	2.21M	2.26M	2.32M
2.37M	2.4M	2.43M	2.49M	2.55M	2.61M	2.67M	2.7M	2.74M	2.8M	2.87M	2.94M	3M	3.01M	3.09M	3.16M	3.24M	3.3M	3.32M	3.4M
3.48M	3.57M	3.6M	3.65M	3.74M	3.83M	3.9M	3.92M	4.02M	4.12M	4.22M	4.3M	4.32M	4.42M	4.53M	4.64M	4.7M	4.75M	4.87M	4.99M
5.1M	5.11M	5.23M	5.36M	5.49M	5.6M	5.62M	5.76M	5.9M	6.04M	6.19M	6.2M	6.34M	6.49M	6.65M	6.8M	6.81M	6.98M	7.15M	7.32M
7.5M	7.68M	7.87M	8.06M	8.2M	8.25M	8.45M	8.66M	8.87M	9.09M	9.1M	9.31M	9.53M	9.76M						100M
10M	11M	12M	13M	14M	15M	16M	18M	20M	24.9M	30M	36M	40.2M	43M	49.9M	56M	62M	75M	82M	91M

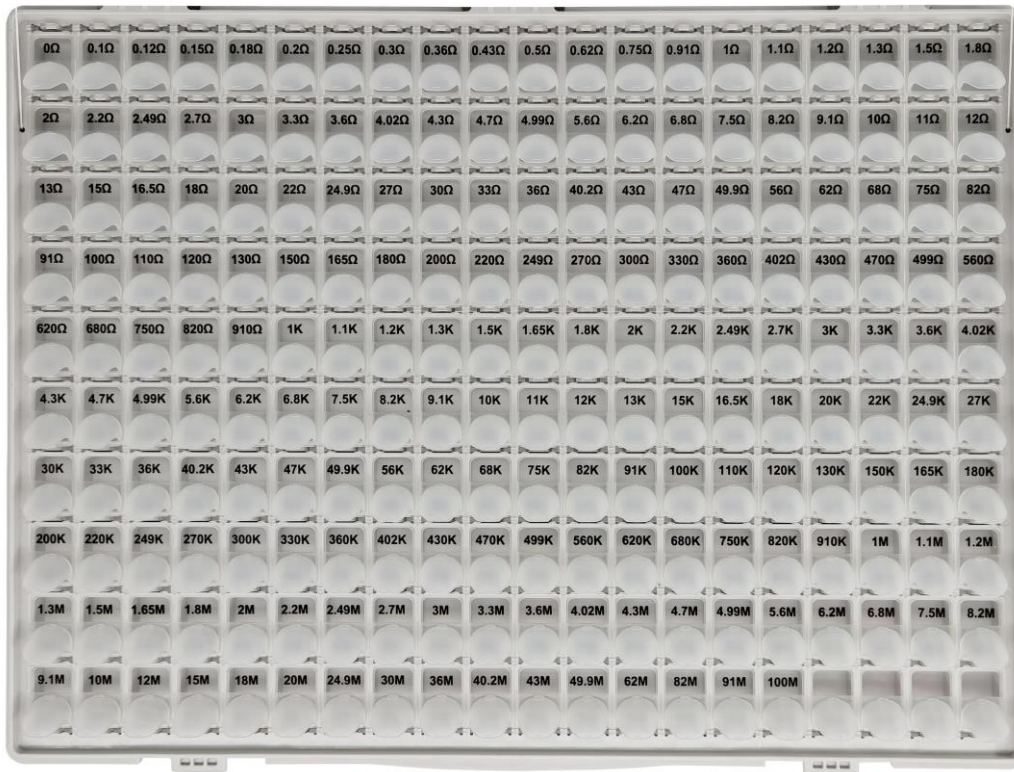


Figure 5. 196 Value Resistor Kit Bin Layout

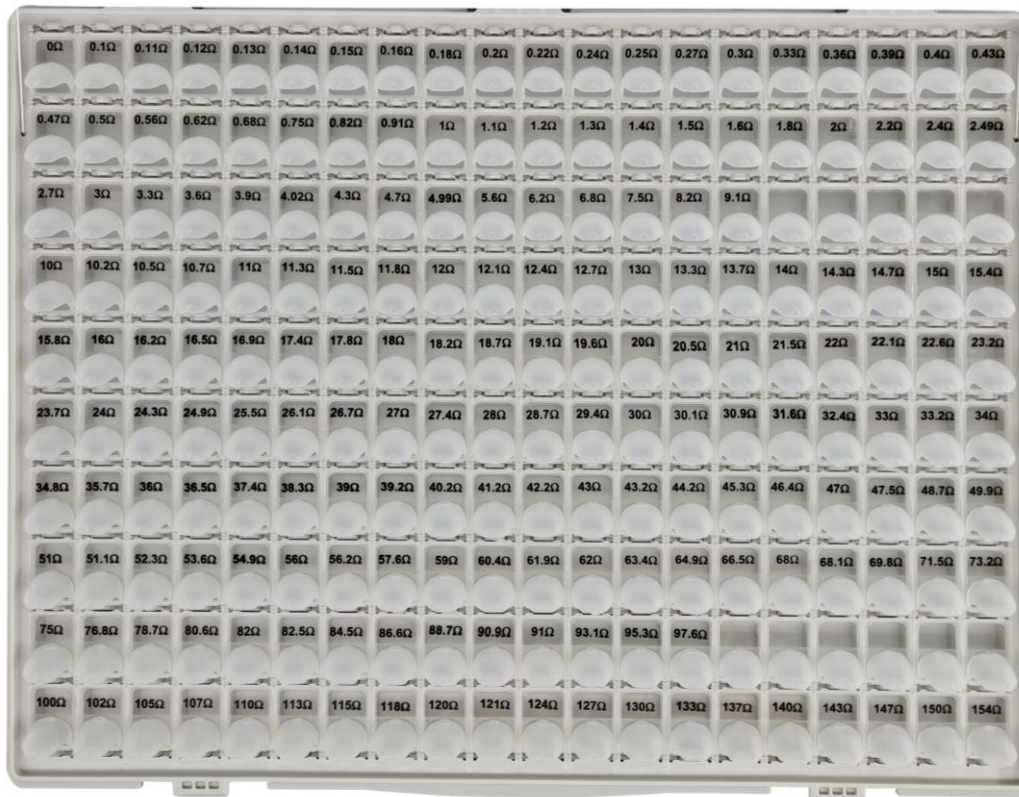


Figure 6. 760 Value Resistor Kit 4-1 Bin Layout

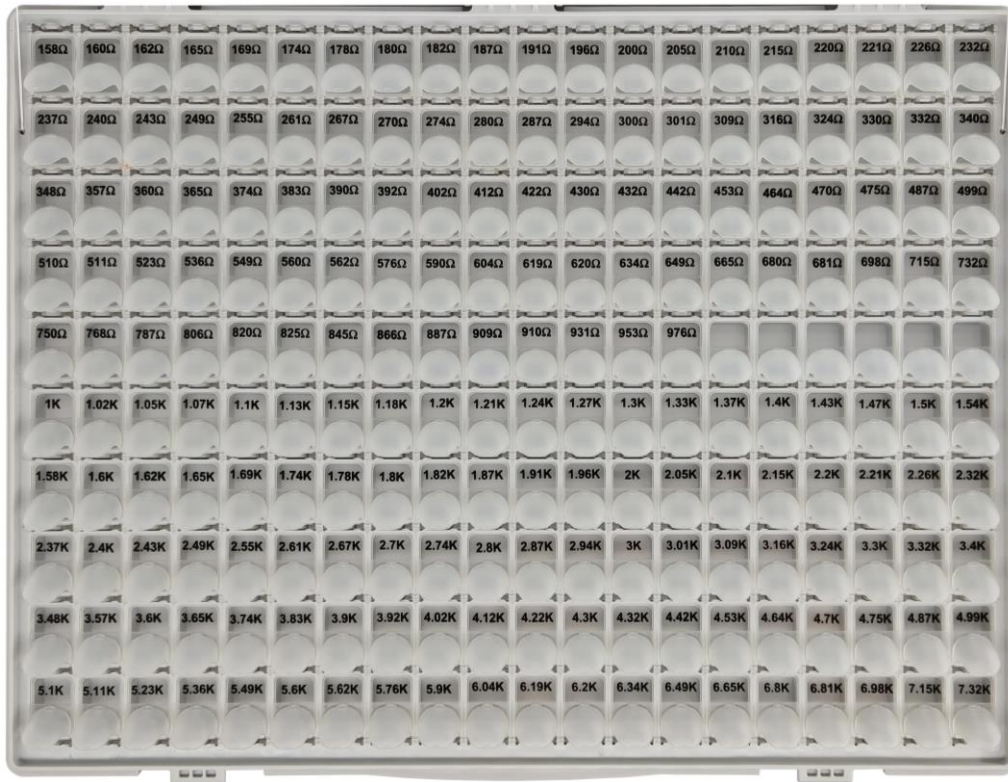


Figure 7. 760 Value Resistor Kit 4-2 Bin Layout

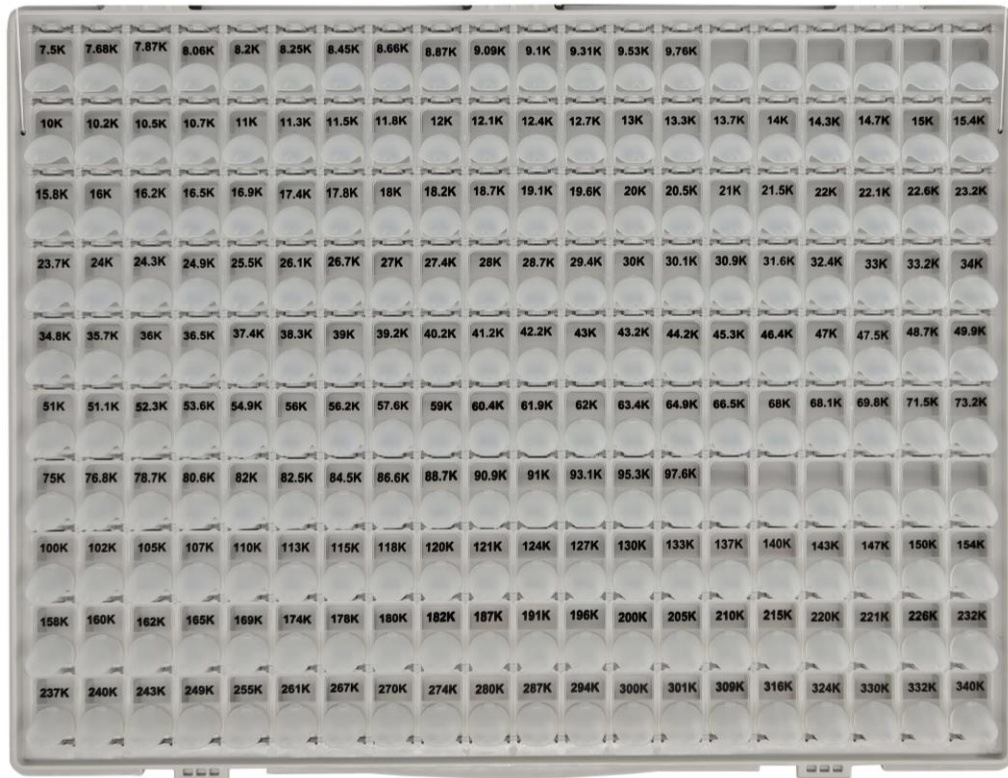


Figure 8. 760 Value Resistor Kit 4-3 Bin Layout

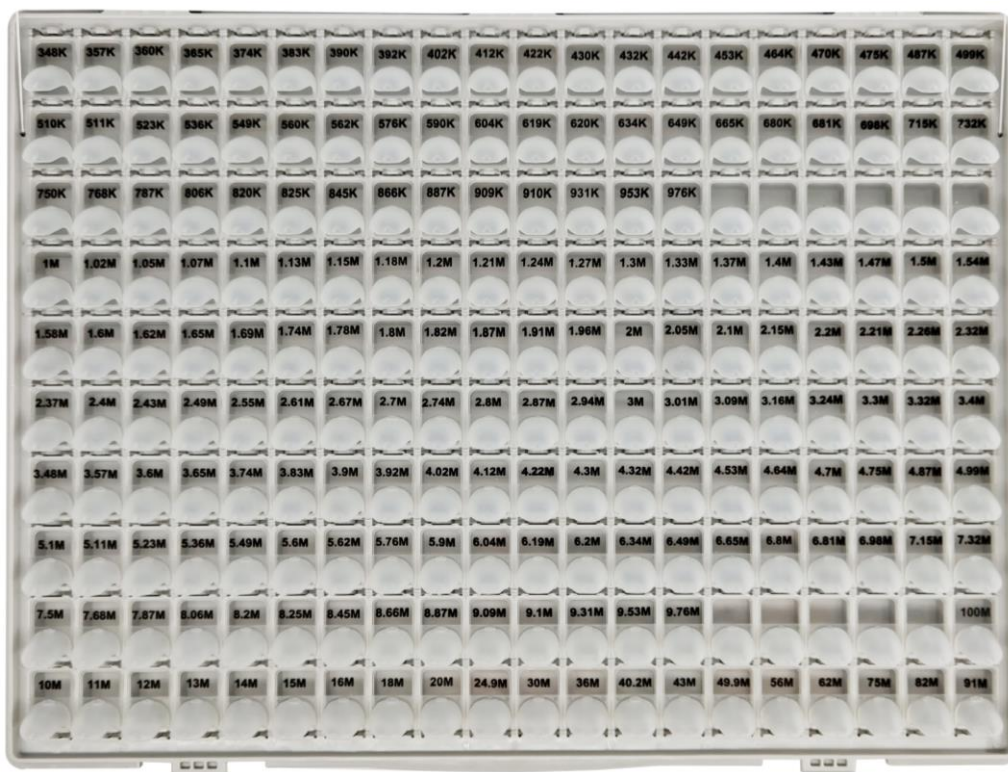


Figure 9. 760 Value Resistor Kit 4-4 Bin Layout

DIMENSIONS

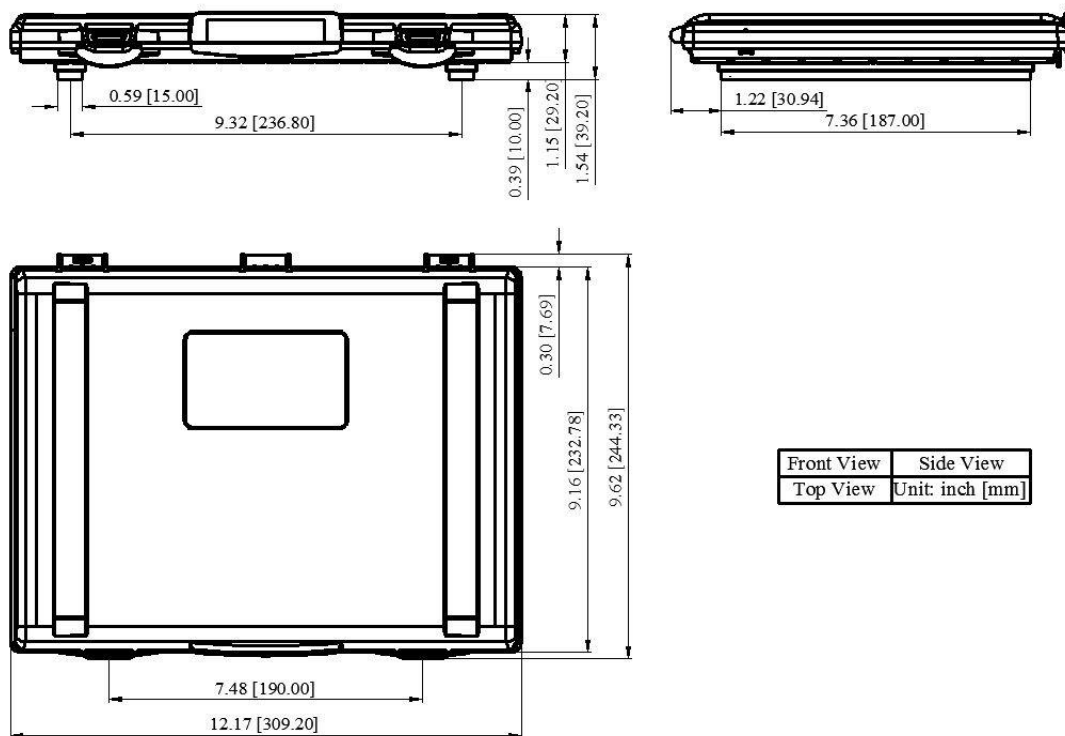


Figure 10. Outlines Dimensions



NOTICE

1. It is important to carefully read and follow the warnings, cautions, and product-specific notes provided with electronic components. These instructions are designed to ensure the safe and proper use of the component and to prevent damage to the component or surrounding equipment. Failure to follow these instructions could result in malfunction or failure of the component, damage to surrounding equipment, or even injury or harm to individuals. Always take the necessary precautions and seek professional assistance if unsure about proper use or handling of electronic components.
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