



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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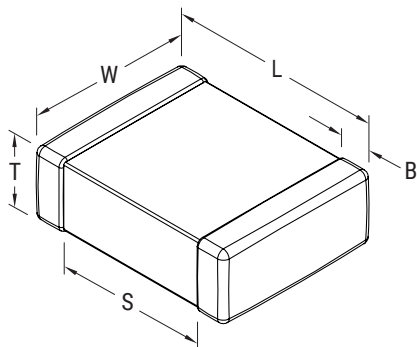
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



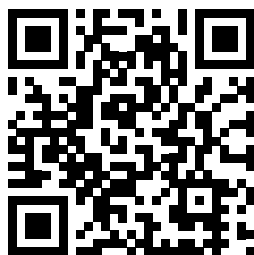
Sample Kit Contents

KEMET Part Number	Size	Capacitance	Tolerance	Voltage	Temperature Range	Dielectric Type	Quantity
C0402C102K5RACAUTO	0402/1005	1,000 pF	10%	50	-55/+125°C	X7R	10
C0402C103K3RACAUTO	0402/1005	0.01 µF	10%	25	-55/+125°C	X7R	10
C0402C104K4RACAUTO	0402/1005	0.1 µF	10%	16	-55/+125°C	X7R	10
C0603C102J1GACAUTO	0603/1608	1,000 pF	5%	100	-55/+125°C	C0G	10
C0603C104K5RACAUTO	0603/1608	0.1 µF	10%	50	-55/+125°C	X7R	10
C0603C474K4RACAUTO	0603/1608	0.47 µF	10%	16	-55/+125°C	X7R	10
C0805C105K4RACAUTO	0805/2012	1 µF	10%	16	-55/+125°C	X7R	10
C0603C102J2GECAUTO	0603/1608	1,000 pF	5%	200	-55/+125°C	C0G	10
C0603C103J3GECAUTO	0603/1608	0.01 µF	5%	25	-55/+125°C	C0G	10
C0603C102K2RECAUTO	0603/1608	1,000 pF	10%	200	-55/+125°C	X7R	10
C0603C103K1RECAUTO	0603/1608	0.01 µF	10%	100	-55/+125°C	X7R	10
T598D337M006ATE025	D/7343-43	330 µF	20%	6.3	-55/+125°C	Polymer tantalum	5
T598D227M010ATE025	D/7343-43	220 µF	20%	10	-55/+125°C	Polymer tantalum	5
T598D107M016ATE050	D/7343-43	100 µF	20%	16	-55/+125°C	Polymer tantalum	5
T598D336M025ATE060	D/7343-43	33 µF	20%	25	-55/+125°C	Polymer tantalum	5
T598D476M025ATE060	D/7343-43	47 µF	20%	25	-55/+125°C	Polymer tantalum	5
LDEDD3680JA5N00	2220/5650	0.68 µF	5%	63	-55/+125°C	Metallized PEN	5
F862BY474K310Z	18 x 19 mm	0.47 µF	10%	630 VDC/310 VAC	-40/+110°C	Metallized PPS	3
R413I21000000K	18 x 11 mm	0.01 µF	10%	1,000 VDC/300 VAC	-40/+110°C	Metallized PPS	3
R82DC4100AA60K	7.2 x 10 mm	1 µF	10%	63	-55/+105°C	Polyester	3
EEV477M010S9MAA	8 x 10.2 mm	470 µF	20%	10	-55/+105°C	Aluminum electrolytic	3
EEV477M025S9PAA	10 x 10.2 mm	470 µF	20%	25	-55/+105°C	Aluminum electrolytic	3
EXV337M035S9PAA	10 x 10.2 mm	330 µF	20%	35	-55/+105°C	Aluminum electrolytic	3
EDH108M050S9TAA	16 x 16.5 mm	1,000 µF	20%	50	-40/+105°C	Aluminum electrolytic	3
EDH476M063S9MAA	8 x 10.2 mm	47 µF	20%	63	-40/+150°C	Aluminum electrolytic	3
PEG226MH3470QE1	20 x 27 mm	470 µF	-10/+30%	63	-40/+150°C	Aluminum electrolytic	3
PEG226HJ4330QE1	20 x 35 mm	3,300 µF	-10/+30%	25	-40/+150°C	Aluminum electrolytic	1

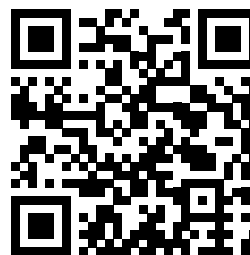
C0G and X7R – Millimeters (Inches)



EIA Size Code	Metric Size Code	L Length	W Width	T Thickness	B Bandwidth	S Separation Minimum	Mounting Technique
0402	1005	1.00 (0.040) ±0.05 (0.002)	0.50 (0.020) ±0.05 (0.002)	See Table 2 for Thickness	0.30 (0.012) ±0.10 (0.004)	0.30 (0.012)	Solder reflow only
0603	1608	1.60 (0.063) ±0.15 (0.006)	0.80 (0.032) ±0.15 (0.006)		0.35 (0.014) ±0.15 (0.006)	0.70 (0.028)	Solder wave or solder reflow
0805	2012	2.00 (0.079) ±0.20 (0.008)	1.25 (0.049) ±0.20 (0.008)		0.50 (0.02) ±0.25 (0.010)	0.75 (0.030)	



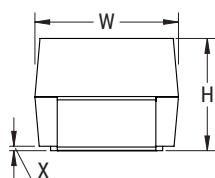
www.kemet.com/C0G-Auto



www.kemet.com/X7R-Auto

T598 Dimensions – Millimeters (Inches)

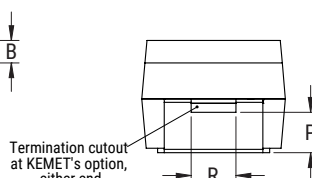
CATHODE (-) END VIEW



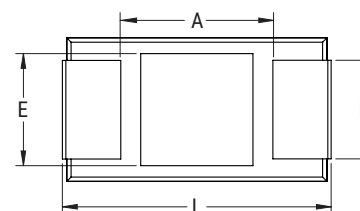
SIDE VIEW



ANODE (+) END VIEW



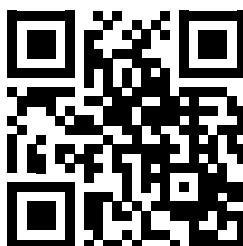
BOTTOM VIEW



Case Size		Component											Total Weight
KEMET	EIA	L	W	H	F	S	B (Ref)	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Min)	(mg)
D	7343-31	7.3 ±0.3 (0.287 ±0.012)	4.3 ±0.3 (0.169 ±0.012)	2.8 ±0.3 (0.110 ±0.012)	2.4 ±0.1 (0.094 ±0.004)	1.3 ±0.3 (0.051 ±0.012)	0.5 ±0.15 (0.020 ±0.006)	0.10 ±0.10 (0.004 ±0.004)	0.9 (0.035)	1.0 (0.039)	0.13 (0.005)	3.8 (0.150)	292

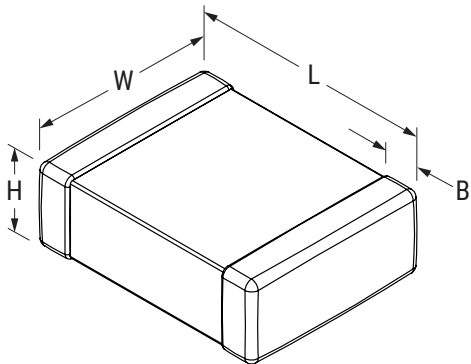
Notes: (Ref) – Dimensions provided for reference only.

These weights are provided as reference. If exact weights are needed, please contact your KEMET Sales Representative

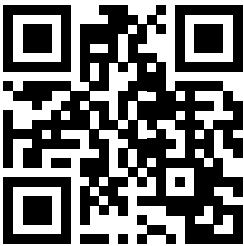


www.kemet.com/T598

LDE Dimensions – Millimeters (Inches)

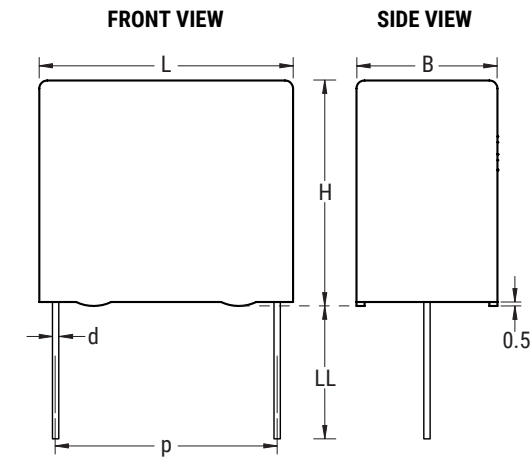


Size Code	Chip Size (EIA)	W		H (Maximum)	L		B	
		Nominal	Tolerance		Nominal	Tolerance	Nominal	Tolerance
D	2220	5.0	±0.4	See Part Number Table	6.0	±0.3	0.5	+0.5/-0.3

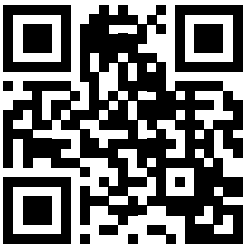


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F862 Dimensions – Millimeters

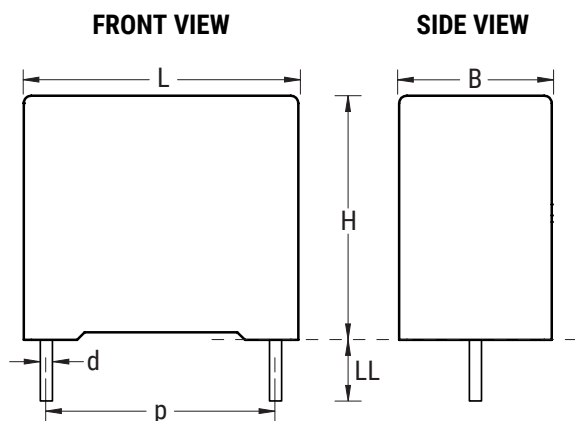


Size Code	p		B		H		L		d	
	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
BY	15.0	±0.4	11.0	Maximum	19.0	Maximum	18.0	Maximum	0.8	±0.05
Note: See Ordering Options Table for lead length (LL/H ₀) options.										



www.kemet.com/F862

R41 Dimensions – Millimeters



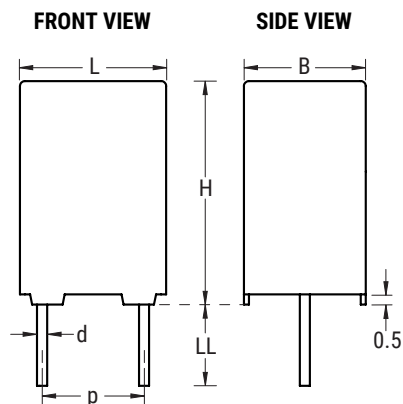
p		B		H		L		d	
Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
10.0	±0.4	4.0	+0.2	9.0	+0.1	13.0	+0.2	0.6	±0.05
10.0	±0.4	5.0	+0.2	11.0	+0.1	13.0	+0.2	0.6	±0.05
10.0	±0.4	6.0	+0.2	12.0	+0.1	13.0	+0.2	0.6	±0.05
15.0	±0.4	5.0	+0.2	11.0	+0.1	18.0	+0.3	0.6	±0.05
15.0	±0.4	6.0	+0.2	12.0	+0.1	18.0	+0.3	0.6	±0.05
15.0	±0.4	7.5	+0.2	13.5	+0.1	18.0	+0.5	0.6	±0.05
15.0	±0.4	8.5	+0.2	14.5	+0.1	18.0	+0.5	0.6	±0.05
15.0	±0.4	11.0	+0.2	19.0	+0.1	18.0	+0.5	0.8	±0.05
22.5	±0.4	6.0	+0.2	15.0	+0.1	26.5	+0.3	0.8	±0.05
22.5	±0.4	7.0	+0.2	16.0	+0.1	26.5	+0.3	0.8	±0.05
22.5	±0.4	8.5	+0.2	17.0	+0.1	26.5	+0.3	0.8	±0.05
22.5	±0.4	10.0	+0.2	18.5	+0.1	26.5	+0.3	0.8	±0.05
22.5	±0.4	13.0	+0.2	22.0	+0.1	26.5	+0.3	0.8	±0.05
27.5	±0.4	13.0	+0.2	22.0	+0.1	32.0	+0.3	0.8	±0.05
27.5	±0.4	14.0	+0.2	28.0	+0.1	32.0	+0.3	0.8	±0.05
27.5	±0.4	18.0	+0.2	33.0	+0.1	32.0	+0.3	0.8	±0.05
37.5	±0.4	13.0	+0.3	24.0	+0.1	41.5	+0.3	1.0	±0.05
37.5	±0.4	16.0	+0.3	28.5	+0.1	41.5	+0.3	1.0	±0.05
37.5	±0.4	20.0	+0.3	40.0	+0.1	41.5	+0.3	1.0	±0.05

Note: See Ordering Options Table for lead length (LL/H₀) options.



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R82 Dimensions – Millimeters



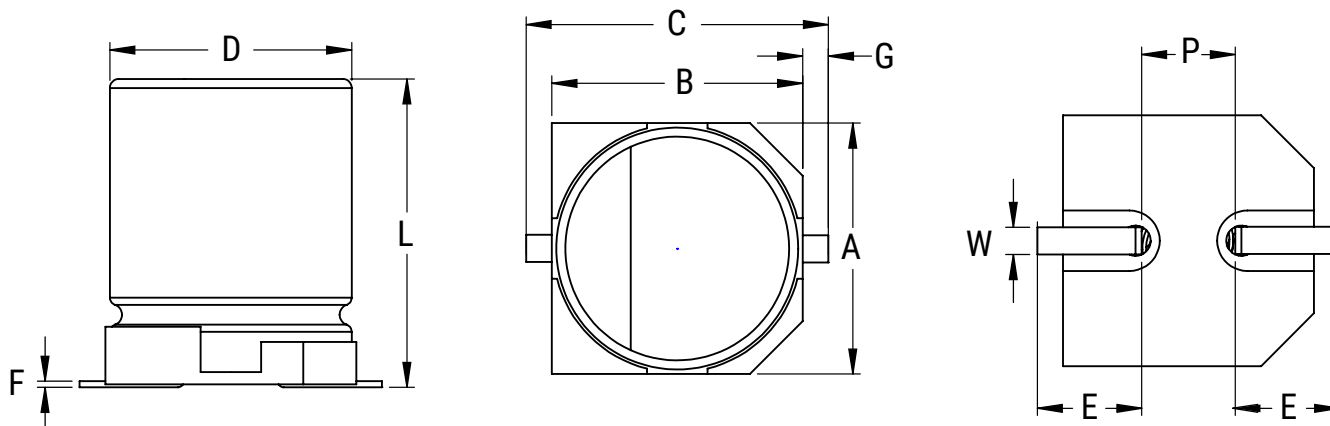
p		B		H		L		d	
Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
5.0	±0.4	2.5	+0.1	6.5	+0.1	7.2	+0.2	0.5	±0.05
5.0	±0.4	3.5	+0.1	7.5	+0.1	7.2	+0.2	0.5	±0.05
5.0	±0.4	4.5	+0.1	9.5	+0.1	7.2	+0.3	0.5	±0.05
5.0	±0.4	5.0	+0.1	10.0	+0.1	7.2	+0.3	0.5	±0.05
5.0	±0.4	6.0	+0.1	11.0	+0.1	7.2	+0.3	0.5	±0.05
5.0	±0.4	7.2	+0.1	13.0	+0.1	7.2	+0.3	0.6	±0.05

Note: See Ordering Options Table for lead length (LL/H₀) options.



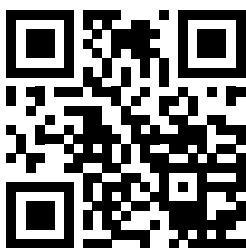
www.kemet.com/R82

EEV, EXV, and EDH Dimensions – Millimeters

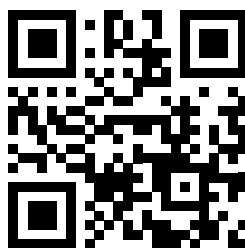


Size Code	D		L		A/B		C		E	
	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
9M	8	±0.5	10.2	±0.3	8.3	±0.2	10	Maximum	3.4	±0.2
9P	10	±0.5	10.2	±0.3	10.3	±0.2	13	Maximum	3.5	±0.2
9T	16	±0.5	16.5	±1.0	16.3	±0.2	18.7	Maximum	5.8	±0.2

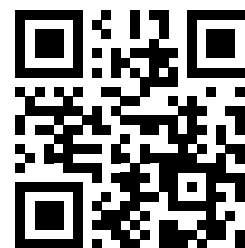
Size Code	F		G		P		W	
	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
9M	0.3	Maximum	0.70	±0.2	3.1	±0.2	0.9	±0.2
9P	0.3	Maximum	0.70	±0.2	4.6	±0.2	0.9	±0.2
9T	0.3	Maximum	1.0	±0.2	6.0	±0.2	2.0	±0.2



www.kemet.com/EEV

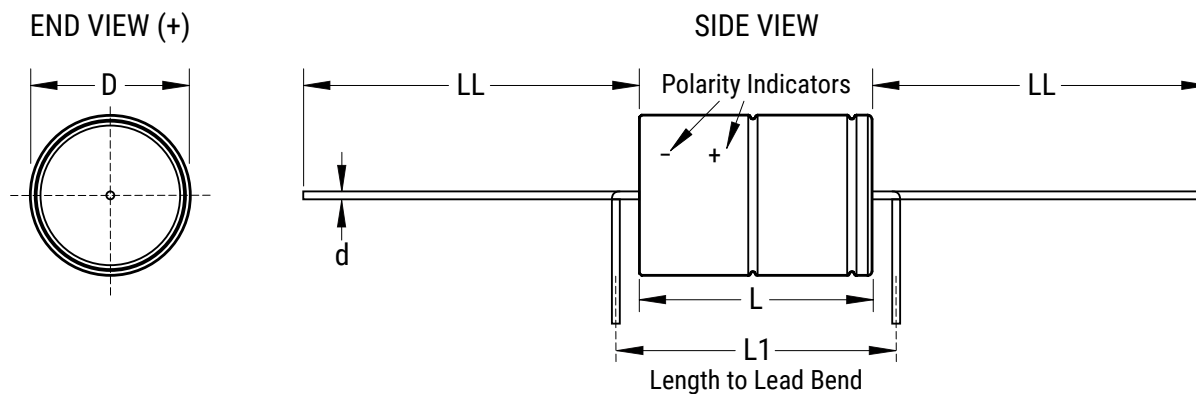


www.kemet.com/EXV



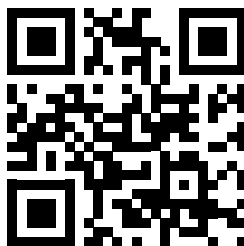
www.kemet.com/EDH

PEG226 Dimensions – Millimeters



Size Code	Dimensions in mm					Approximate Weight Grams
	D	L	L1	d	LL	
	± 0.5	± 1	Minimum	± 0.03	b ± 2 Box	
H	20	26.5	33	1.0	40	13
J	20	34.5	41	1.0	40	20

Note: L1 is KEMET's recommendation for minimum distance between symmetrical lead bend. Available only for customer specific part numbers. Lead bend dimensions must be specified and confirmed per article.



www.kemet.com/PEG226