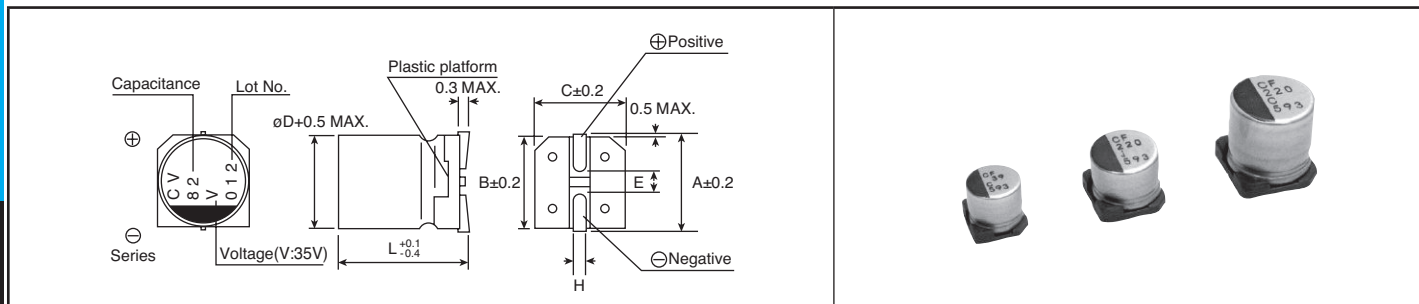


# NICHICON Polymer Aluminum Electrolytic Capacitors



This product is RoHS compliant.

## CV AND CX SERIES CHIP TYPE, HIGH VOLTAGE/LONG LIFE



### CV Series

#### Features:

- High voltage (to 63V), Low ESR, High ripple current.
- Load life of 3000 hours at 105°C.
- SMD type : Lead free reflow soldering condition at 260°C peak correspondence.
- Compliant to the RoHS directive (2002/95/EC).

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size DxL (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	25	100	500
<b>16V</b>								
	647—PCV1C560MCL1GS	56	6.3 x 6	50	1.37	1.33	1.10	.65
	647—PCV1C101MCL1GS	100	8 x 7	36	1.57	1.52	1.26	1.03
	647—PCV1C221MCL6GS	220	8 x 10	27	2.24	2.17	1.97	1.05
	647—PCV1C221MCL1GS	220	10 x 8	31	2.24	2.17	1.97	1.05
	647—PCV1C271MCL1GS	270	8 x 12	26	2.15	2.09	1.90	.951
	647—PCV1C331MCL1GS	330	10 x 10	26	2.72	2.64	2.40	1.28
	647—PCV1C471MCL1GS	470	10 x 12.7	25	3.23	3.13	2.92	1.41
	647—PCV1C681MCL2GS	680	10x12.7	19	4.11	3.78	3.49	1.80
<b>20V</b>								
	647—PCV1D470MCL1GS	47	6.3 x 6	55	1.37	1.33	1.10	.65
	647—PCV1D680MCL1GS	68	8 x 7	45	1.50	1.46	1.21	.992
	647—PCV1D151MCL6GS	150	8 x 10	28	2.13	2.06	1.88	1.00
	647—PCV1D151MCL1GS	150	10 x 8	33	2.13	2.06	1.88	1.00
	647—PCV1D221MCL1GS	220	8 x 12	27	2.27	2.20	2.00	1.00
	647—PCV1D271MCL1GS	270	10 x 10	27	2.88	2.79	2.54	1.35
	647—PCV1D331MCL1GS	330	10 x 12.7	26	3.28	3.18	2.90	1.45
	647—PCV1D471MCL2GS	470	10x12.7	20	4.01	3.68	3.41	1.77
<b>25V</b>								
	647—PCV1E330MCL1GS	33	6.3 x 6	60	1.37	1.33	1.10	.65
	647—PCV1E470MCL2GS	47	6.3x6	49	.99	.93	.861	.447
	647—PCV1E560MCL1GS	56	8 x 7	50	1.54	1.50	1.24	1.01
	647—PCV1E121MCL6GS	120	8 x 10	29	2.18	2.12	1.92	1.02
	647—PCV1E121MCL1GS	120	10 x 8	35	2.18	2.12	1.92	1.02
	647—PCV1E151MCL1GS	150	8 x 12	28	2.10	2.04	1.85	.929
	647—PCV1E181MCL1GS	180	10 x 10	28	2.63	2.55	2.32	1.23
	647—PCV1E221MCL2GS	220	8x12	22	2.60	2.39	2.22	1.14
	647—PCV1E271MCL1GS	270	10 x 12.7	27	3.23	3.14	2.93	1.42
	647—PCV1E391MCL2GS	390	10x12.7	21	3.97	3.64	3.37	1.75
<b>35V</b>								
	647—PCV1V180MCL1GS	18	6.3 x 6	64	1.37	1.33	1.10	.65
	647—PCV1V270MCL1GS	27	8 x 7	55	1.41	1.33	1.13	.929
	647—PCV1V390MCL2GS	39	8x7	52	1.60	1.46	1.35	.711
	647—PCV1V560MCL1GS	56	8 x 10	31	1.88	1.82	1.52	.783
	647—PCV1V680MCL1GS	68	10 x 8	37	2.11	1.95	1.86	.993
	647—PCV1V820MCL1GS	82	8 x 12	29	1.97	1.85	1.73	.869
	647—PCV1V101MCL1GS	100	10 x 10	29	2.49	2.31	2.20	1.17
	647—PCV1V121MCL7GS	120	8x12	23	3.21	2.95	2.74	1.40
	647—PCV1V151MCL1GS	150	10 x 12.7	28	3.24	3.14	2.86	1.43
<b>50V</b>								
	647—PCV1H8R2MCL1GS	8.2	6.3 x 6	81	1.40	1.32	1.12	.664
	647—PCV1H150MCL1GS	15	8 x 7	63	1.48	1.44	1.19	.978
	647—PCV1H330MCL6GS	33	8 x 10	36	2.10	1.94	1.85	.988
	647—PCV1H330MCL1GS	33	10 x 8	49	2.10	1.94	1.85	.988
	647—PCV1H390MCL1GS	39	8 x 12	34	1.95	1.84	1.72	.862
	647—PCV1H470MCL1GS	47	10 x 10	30	2.45	2.27	2.16	1.15
	647—PCV1H680MCL1GS	68	10 x 12.7	29	3.08	2.98	2.72	1.36
<b>63V</b>								
	647—PCV1J5R6MCL1GS	5.6	6.3 x 6	105	1.40	1.32	1.12	.664
	647—PCV1J100MCL1GS	10	8 x 7	75	1.44	1.29	1.16	.951
	647—PCV1J220MCL6GS	22	8 x 10	37	2.02	1.90	1.78	.954
	647—PCV1J220MCL1GS	22	10 x 8	56	2.02	1.90	1.78	.954
	647—PCV1J270MCL1GS	27	8 x 12	35	1.91	1.80	1.68	.845
	647—PCV1J330MCL1GS	33	10 x 10	31	2.43	2.24	2.14	1.14
	647—PCV1J470MCL1GS	47	10 x 12.7	30	3.01	2.79	2.66	1.33

Dimensions: mm

Size	ø6.3 x 6L	ø8 x 7L	ø8 x 10L	ø8 x 12L	ø10 x 8L	ø10 x 10L	ø10 x 12.7L
øD	6.3	8.0	8.0	8.0	10.0	10.0	10.0
L	5.9	6.9	9.9	11.9	7.9	9.9	12.6
A	7.3	9.0	9.0	9.0	11.0	11.0	11.0
B	6.6	8.3	8.3	8.3	10.3	10.3	10.3
C	6.6	8.3	8.3	8.3	10.3	10.3	10.3
E	2.1	3.2	3.2	3.2	4.6	4.6	4.6
H	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1

### CX Series

#### Features:

- High voltage (to 50V), low ESR, high ripple current, high reliability
- Long life of 1500 to 3000 hours at 125°C
- SMD type : Lead free reflow soldering condition at 260°C peak complete correspondence
- Adapted to the RoHS directive (2002/95/EC)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size DxL (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	25	100	500
<b>16V</b>								
	647—PCX1C470MCL1GS	47	6.3 x 6	55	1.26	1.01	.854	.632
	647—PCX1C820MCL1GS	82	8 x 7	45	2.08	1.66	1.40	1.04
	647—PCX1C151MCL6GS	150	8 x 10	28	2.56	2.05	1.73	1.28
	647—PCX1C151MCL1GS	150	10 x 8	33	2.98	2.38	2.01	1.49
	647—PCX1C221MCL1GS	220	8 x 12	27	2.64	2.49	2.10	1.08
	647—PCX1C271MCL1GS	270	10 x 10	27	3.73	2.99	2.52	1.87
	647—PCX1C391MCL1GS	390	10 x 12.7	26	4.59	3.68	3.10	2.30
<b>20V</b>								
	647—PCX1D330MCL1GS	33	6.3 x 6	60	1.33	1.07	.899	.666
	647—PCX1D560MCL1GS	56	8 x 7	50	2.16	1.73	1.46	1.08
	647—PCX1D121MCL6GS	120	8 x 10	29	3.31	2.65	2.23	1.65
	647—PCX1D121MCL1GS	120	10 x 8	35	3.31	2.65	2.23	1.65
	647—PCX1D151MCL1GS	150	8 x 12	28	2.77	2.61	2.20	1.14
	647—PCX1D181MCL1GS	180	10 x 10	28	3.89	3.11	2.63	1.95
	647—PCX1D271MCL1GS	270	10 x 12.7	27	4.90	3.92	3.31	2.45
<b>25V</b>								
	647—PCX1E220MCL1GS	22	6.3 x 6	65	1.37	1.10	.924	.685
	647—PCX1E390MCL1GS	39	8 x 7	55	2.24	1.80	1.51	1.12
	647—PCX1E820MCL6GS	82	8 x 10	30	2.96	2.37	2.00	1.48
	647—PCX1E820MCL1GS	82	10 x 8	36	3.41	2.73	2.30	1.71
	647—PCX1E121MCL6GS	120	8 x 12	29	3.65	2.92	2.47	1.83
	647—PCX1E121MCL1GS	120	10 x 10	29	3.96	3.17	2.68	1.98
	647—PCX1E181MCL1GS	180	10 x 12.7	28	5.14	4.12	3.47	2.57
<b>35V</b>								
	647—PCX1V100MCL1GS	10	6.3 x 6	85	1.42	1.14	.961	.712
	647—PCX1V180MCL1GS	18	8 x 7	60	2.37	1.89	1.60	1.18
	647—PCX1V390MCL6GS	39	8 x 10	35	3.18	2.55	2.15	1.59
	647—PCX1V390MCL1GS	39	10 x 8	41	3.64	2.92	2.46	1.82
	647—PCX1V560MCL1GS	56	8 x 12	33	3.32	3.13	2.64	1.37
	647—PCX1V680MCL1GS	68	10 x 10	30	4.65	3.72	3.14	2.33
	647—PCX1V101MCL1GS	100	10 x 12.7	29	5.91	4.73	3.99	2.95
<b>50V</b>								
	647—PCX1H5R6MCL1GS	5.6	6.3 x 6	105	1.45	1.16	.981	.727
	647—PCX1H100MCL1GS	10	8 x 7	75	2.37	1.90	1.60	1.19
	647—PCX1H220MCL6GS	22	8 x 10	37	3.23	2.59	2.18	1.62
	647—PCX1H220MCL1GS	22	10 x 8	56	3.69	2.95	2.49	1.85
	647—PCX1H270MCL1GS	27	8 x 12	35	4.28	3.42	2.89	2.14
	647—PCX1H330MCL1GS	33	10 x 10	31	5.16	4.13	3.49	2.58
	647—PCX1H470MCL1GS	47	10 x 12.7	30	6.40	5.12	4.32	3.20

NEW FROM NICHICON Aluminum Polymer Caps