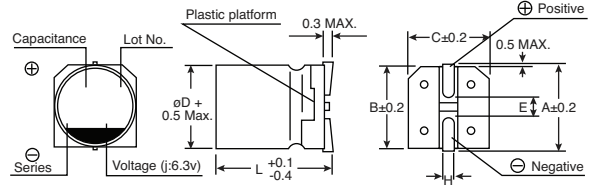


# NICHICON Polymer Aluminum Electrolytic Capacitors **nichicon**

DIMENSIONS: mm



## CF SERIES/CHIP TYPE, STANDARD

**Features:**

- Ultra low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

**Specifications:**

- Temperature Range: -55 to +105°C
- Tolerance: ±20% at 120 Hz, 20°C

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D X L (mm) Max.	Leakage Current (µA)	ESR (at 100kHz 20 C)	Price Each				
						1	10	100	500	1000
<b>2.5V</b>										
647-PCF0E101MCL1GS	PCF0E101MCL1GS	100	6.3 x 6	100	22	1.05	.86	.657	.555	.469
647-PCF0E221MCL1GS	PCF0E221MCL1GS	220	6.3 x 6	110	20	1.08	.89	.666	.562	.384
647-PCF0E471MCL1GS	PCF0E471MCL1GS	470	8 x 7	235	20	1.23	1.10	.773	.655	.501
647-PCF0E821MCL1GS	PCF0E821MCL1GS	820	10 x 8	410	17	1.50	1.23	.938	.69	.682
647-PCF0E152MCL1GS	PCF0E152MCL1GS	1500	10 x 10	750	13	1.77	1.46	1.11	.814	.718
<b>4.0V</b>										
647-PCF0G101MCL1GS	PCF0G101MCL1GS	100	6.3 x 6	80	22	1.05	.86	.70	.64	.383
647-PCF0G151MCL1GS	PCF0G151MCL1GS	150	6.3 x 6	120	22	1.07	.88	.666	.562	.378
647-PCF0G221MCL1GS	PCF0G221MCL1GS	220	8 x 7	176	21	1.08	.89	.666	.562	.475
647-PCF0G331MCL1GS	PCF0G331MCL1GS	330	8 x 7	264	21	1.23	1.01	.773	.655	.501
647-PCF0G471MCL1GS	PCF0G471MCL1GS	470	10 x 8	376	17	1.36	1.12	.815	.571	.536
647-PCF0G681MCL1GS	PCF0G681MCL1GS	680	10 x 8	544	17	1.46	1.20	.875	.669	.531
647-PCF0G821MCL1GS	PCF0G821MCL1GS	820	10 x 10	656	13	1.54	1.27	.935	.712	.671
<b>6.3V</b>										
647-PCF0J820MCL1GS	PCF0J820MCL1GS	82	6.3 x 6	103	23	1.05	.86	.657	.555	.469
647-PCF0J121MCL1GS	PCF0J121MCL1GS	120	6.3 x 6	151	23	1.07	.88	.666	.562	.341
647-PCF0J151MCL1GS	PCF0J151MCL1GS	150	8 x 7	189	22	1.15	.95	.701	.592	.407
647-PCF0J221MCL1GS	PCF0J221MCL1GS	220	8 x 7	277	22	1.20	.99	.741	.626	.383
647-PCF0J331MCL1GS	PCF0J331MCL1GS	330	10 x 8	416	18	1.33	1.10	.80	.615	.488
647-PCF0J471MCL6GS	PCF0J471MCL6GS	470	10 x 8	592	18	1.46	1.20	.875	.741	.628
647-PCF0J471MCL1GS	PCF0J471MCL1GS	470	10 x 10	592	16	1.46	1.20	.875	.741	.628
647-PCF0J681MCL1GS	PCF0J681MCL1GS	680	10 x 10	856	14	1.57	1.28	.935	.702	.619
<b>10V</b>										
647-PCF1A470MCL1GS	PCF1A470MCL1GS	47	6.3 x 6	94	26	1.05	.86	.657	.563	.379
647-PCF1A560MCL1GS	PCF1A560MCL1GS	56	6.3 x 6	112	25	1.05	.86	.656	.563	.383
647-PCF1A121MCL1GS	PCF1A121MCL1GS	120	8 x 7	240	23	1.27	1.05	.788	.665	.405
647-PCF1A151MCL6GS	PCF1A151MCL6GS	150	8 x 7	300	23	1.19	.98	.761	.652	.434
647-PCF1A151MCL1GS	PCF1A151MCL1GS	150	10 x 8	300	21	1.23	1.02	.779	.547	.514
647-PCF1A271MCL1GS	PCF1A271MCL1GS	270	10 x 8	540	20	1.34	1.10	.799	.615	.488
647-PCF1A331MCL1GS	PCF1A331MCL1GS	330	10 x 8	660	20	1.41	1.17	.85	.72	.61
647-PCF1A471MCL1GS	PCF1A471MCL1GS	470	10 x 10	940	16	1.46	1.20	.884	.674	.595
647-PCF1A561MCL1GS	PCF1A561MCL1GS	560	10 x 10	1120	15	1.52	1.26	.926	.714	.63
<b>16V</b>										
647-PCF1C330MCL1GS	PCF1C330MCL1GS	33	6.3 x 6	106	31	1.06	.87	.666	.571	.387
647-PCF1C390MCL1GS	PCF1C390MCL1GS	39	6.3 x 6	124	31	1.07	.88	.67	.575	.39
647-PCF1C560MCL1GS	PCF1C560MCL1GS	56	8 x 7	179	30	1.16	.95	.729	.625	.453
647-PCF1C820MCL1GS	PCF1C820MCL1GS	82	10 x 10	262	28	1.20	.99	.752	.644	.407
647-PCF1C151MCL1GS	PCF1C151MCL1GS	150	10 x 8	480	25	1.37	1.13	.815	.571	.453
647-PCF1C181MCL1GS	PCF1C181MCL1GS	180	10 x 8	576	25	1.37	1.13	.815	.699	.592
647-PCF1C221MCL1GS	PCF1C221MCL1GS	220	10 x 10	704	20	1.45	1.21	.909	.683	.603
<b>20V</b>										
647-PCF1D220MCL1GS	PCF1D220MCL1GS	22	6.3 x 6	88	50	1.04	.85	.647	.556	.47
647-PCF1D390MCL1GS	PCF1D390MCL1GS	39	8 x 7	156	45	1.32	1.09	.798	.676	.572
647-PCF1D680MCL1GS	PCF1D680MCL1GS	68	10 x 8	272	40	1.50	1.23	.909	.77	.653
647-PCF1D820MCL1GS	PCF1D820MCL1GS	82	10 x 8	328	40	1.55	1.27	.926	.785	.665
647-PCF1D121MCL1GS	PCF1D121MCL1GS	120	10 x 10	480	35	1.79	1.43	1.06	.901	.763
<b>25V</b>										
647-PCF1E6R8MCL1GS	PCF1E6R8MCL1GS	6.8	6.3 x 6	85	80	1.04	.85	.647	.556	.47
647-PCF1E100MCL1GS	PCF1E100MCL1GS	10	8 x 7	125	60	1.04	.85	.647	.556	.47
647-PCF1E220MCL1GS	PCF1E220MCL1GS	22	10 x 8	275	50	1.18	.91	.656	.564	.487
647-PCF1E470MCL1GS	PCF1E470MCL1GS	47	10 x 10	587	45	1.50	1.23	.909	.77	.653

## CG SERIES/CHIP TYPE, HIGHER CAPACITANCE

**Features:**

- Higher Capacitance
- Low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

**Specifications:**

- Temperature Range: -55 to +105°C
- Tolerance: ±20% at 120 Hz, 20°C

<b>2.5V</b>										
647-PCG0E221MCL1GS	PCG0E221MCL1GS	220	5 x 6	110	30	1.18	.91	.656	.564	.487
647-PCG0E471MCL1GS	PCG0E471MCL1GS	470	6.3 x 6	235	20	1.34	1.11	.806	.683	.578
647-PCG0E561MCL1GS	PCG0E561MCL1GS	560	6.3 x 6	280	20	1.34	1.11	.806	.683	.578
647-PCG0E821MCL1GS	PCG0E821MCL1GS	820	8 x 7	410	20	1.59	1.30	.961	.813	.67
647-PCG0E152MCL1GS	PCG0E152MCL1GS	1500	10 x 8	750	17	1.75	1.44	1.10	.93	.769
647-PCG0E272MCL1GS	PCG0E272MCL1GS	2700	10 x 10	1350	12	1.90	1.56	1.19	1.01	.834
647-PCG0E332MCL1GS	PCG0E332MCL1GS	3300	10 x 12.7	1650	10	2.04	1.68	1.28	1.08	.898
<b>4.0V</b>										
647-PCG0G181MCL1GS	PCG0G181MCL1GS	180	5 x 6	144	32	1.18	.91	.656	.564	.487
647-PCG0G391MCL1GS	PCG0G391MCL1GS	390	6.3 x 6	312	22	1.34	1.11	.806	.683	.578
647-PCG0G681MCL1GS	PCG0G681MCL1GS	680	8 x 7	544	21	1.59	1.30	.961	.813	.67
647-PCG0G122MCL1GS	PCG0G122MCL1GS	1200	10 x 8	960	17	1.75	1.44	1.10	.911	.769
647-PCG0G222MCL1GS	PCG0G222MCL1GS	2200	10 x 10	1760	13	1.90	1.56	1.19	.989	.834
647-PCG0G272MCL1GS	PCG0G272MCL1GS	2700	10 x 12.7	2160	11	2.04	1.68	1.19	1.08	.898