

NICHICON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

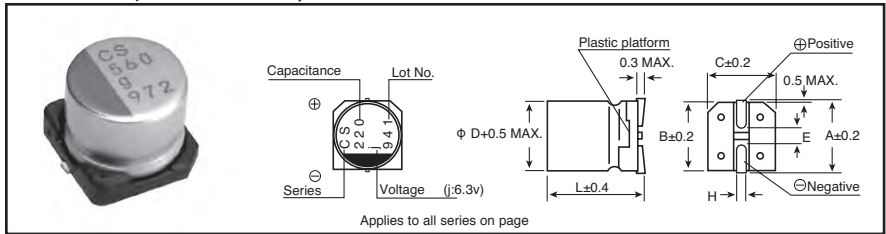
CZ SERIES CHIP TYPE, HIGH RELIABILITY

Features:

- Low temperature ESR specification
- Temperature range for +125°C use
- Added ESR specification after the test at -40°C
- Applicable to automatic mounting machine fed with carrier tape

Specifications:

- Category Temperature Range: -40°C to +125°C
- Rated Voltage Range: 10V to 35V
- Rated Capacitance Range: 47µF to 470µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Leakage Current (µA)	ESR (mΩ) (at 100kHz 20°C)	Rated Ripple (mArms)	Price Each			
							1	100	500	1000
10 Volts										
647-UCZ1A221MCL1GS	UCZ1A221MCL1GS	220	8 x 10	3	0.20	270	1.21	.892	.466	.401
647-UCZ1A331MCL6GS	UCZ1A331MCL6GS	330	8 x 10	3	0.20	270	1.28	.951	.496	.427
647-UCZ1A331MCL1GS	UCZ1A331MCL1GS	330	10 x 10	2	0.15	500	1.28	.951	.496	.427
647-UCZ1A471MCL1GS	UCZ1A471MCL1GS	470	10 x 10	2	0.15	500	1.28	.951	.496	.427
16 Volts										
647-UCZ1C101MCL6GS	UCZ1C101MCL6GS	100	6.3 x 7.7	5	0.45	197	1.21	.892	.466	.401
647-UCZ1C101MCL1GS	UCZ1C101MCL1GS	100	8 x 10	3	0.20	270	1.21	.892	.466	.401
647-UCZ1C221MCL1GS	UCZ1C221MCL1GS	220	8 x 10	3	0.20	270	1.28	.951	.496	.427
647-UCZ1C331MCL1GS	UCZ1C331MCL1GS	330	10 x 10	2	0.15	500	1.28	.951	.496	.427
647-UCZ1C471MCL1GS	UCZ1C471MCL1GS	470	10 x 10	2	0.15	500	1.28	.951	.496	.427
25 Volts										
647-UCZ1E101MCL1GS	UCZ1E101MCL1GS	100	8 x 10	3	0.20	270	1.21	.892	.466	.401
647-UCZ1E221MCL1GS	UCZ1E221MCL1GS	220	10 x 10	2	0.15	500	1.28	.951	.496	.427
647-UCZ1E331MCL1GS	UCZ1E331MCL1GS	330	10 x 10	2	0.15	500	1.28	.951	.496	.427
35 Volts										
647-UCZ1V470MCL6GS	UCZ1V470MCL6GS	47	6.3 x 7.7	5	0.45	197	1.16	.862	.449	.386
647-UCZ1V470MCL1GS	UCZ1V470MCL1GS	47	8 x 10	3	0.20	270	1.16	.862	.449	.386
647-UCZ1V680MCL1GS	UCZ1V680MCL1GS	68	8 x 10	3	0.20	270	1.16	.862	.449	.386
647-UCZ1V101MCL1GS	UCZ1V101MCL1GS	100	8 x 10	3	0.20	270	1.28	.951	.496	.427
647-UCZ1V221MCL1GS	UCZ1V221MCL1GS	220	10 x 10	2	0.15	500	1.28	.951	.496	.427

CS SERIES CHIP TYPE, LONG LIFE ASSURANCE

Features:

- Load life of 5000 hours at 105°C SMD type: lead free reflow soldering condition at 260°C peak correspondence

Specifications:

- Category Temperature Range: -55°C to +105°C
- Rated Voltage Range: 4V to 16V
- Rated Capacitance Range: 22µF to 560µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Leakage Current (µA)	ESR (mΩ) (at 100kHz 20°C)	Rated Ripple (mArms)	Price Each			
							1	100	500	1000
2.5 Volts										
647-PCS0G151MCL1GS	PCS0G151MCL1GS	150	5 x 6	120	25	2200	1.40	.921	.754	.419
647-PCS0G331MCL1GS	PCS0G331MCL1GS	330	6.3 x 6	264	20	2800	1.50	.993	.812	.451
647-PCS0G331MCL9GS	PCS0G331MCL9GS	330	8 x 7	264	22	3200	1.59	1.05	.861	.478
647-PCS0G561MCL1GS	PCS0G561MCL1GS	560	8 x 7	448	18	3600	1.68	1.10	.909	.505
6.3 Volts										
647-PCS0J470MCL1GS	PCS0J470MCL1GS	47	5 x 6	100	35	1600	1.38	.907	.742	.413
647-PCS0J101MCL1GS	PCS0J101MCL1GS	100	5 x 6	126	25	2400	1.40	.92	.753	.419
647-PCS0J101MCL9GS	PCS0J101MCL9GS	100	6.3 x 6	126	22	2800	1.45	.959	.785	.436
647-PCS0J121MCL9GS	PCS0J121MCL9GS	121	6.3 x 6	151	22	2800	1.48	.975	.797	.444
647-PCS0J221MCL1GS	PCS0J221MCL1GS	220	6.3 x 6	277	20	2800	1.48	.973	.796	.443
647-PCS0J221MCL9GS	PCS0J221MCL9GS	220	8 x 7	277	22	3200	1.66	1.09	.894	.497
647-PCS0J391MCL1GS	PCS0J391MCL1GS	390	8 x 7	491	22	3200	1.70	1.11	.917	.51
10 Volts										
647-PCS1A330MCL1GS	PCS1A330MCL1GS	33	5 x 6	100	40	1300	1.39	.917	.75	.417
647-PCS1A560MCL9GS	PCS1A560MCL9GS	56	6.3 x 6	112	27	2300	1.45	.957	.784	.436
647-PCS1A680MCL1GS	PCS1A680MCL1GS	68	5 x 6	136	30	2100	1.40	.92	.753	.419
647-PCS1A121MCL1GS	PCS1A121MCL1GS	120	6.3 x 6	240	27	2300	1.48	.976	.799	.444
647-PCS1A151MCL9GS	PCS1A151MCL9GS	150	8 x 7	300	30	2600	1.59	1.04	.855	.476
647-PCS1A271MCL1GS	PCS1A271MCL1GS	270	8 x 7	540	22	3200	1.68	1.10	.907	.504
16 Volts										
647-PCS1C220MCL1GS	PCS1C220MCL1GS	22	5 x 6	100	45	1100	1.38	.91	.745	.414
647-PCS1C390MCL1GS	PCS1C390MCL1GS	39	5 x 6	125	35	2000	1.40	.92	.753	.419
647-PCS1C390MCL9GS	PCS1C390MCL9GS	39	6.3 x 6	125	30	2200	1.44	.948	.776	.431
647-PCS1C680MCL1GS	PCS1C680MCL1GS	68	6.3 x 6	218	30	2200	1.47	.971	.795	.442
647-PCS1C820MCL9GS	PCS1C820MCL9GS	82	8 x 7	262	28	2800	1.62	1.06	.874	.486
647-PCS1C121MCL1GS	PCS1C121MCL1GS	120	8 x 7	384	28	2800	1.67	1.10	.901	.501

CK SERIES CHIP TYPE, ULTRA LOW ESR

Features:

- Ultra low ESR
- Higher Capacitance
- High ripple current
- Load life of 2000 hours at 105°C
- SMD type: lead free reflow soldering condition at 260°C peak correspondence

Specifications:

- Category Temperature Range: -55°C to +105°C
- Rated Voltage Range: 2.5V to 6.3V
- Rated Capacitance Range: 220µF to 2200µF

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Leakage Current (µA)	ESR (mΩ) (at 100kHz 20°C)	Rated Ripple (mArms)	Price Each			
							1	100	500	1000
2.5 Volts										
647-PCK0E391MCO1GS	PCK0E391MCO1GS	390	6.3 x 6	293	10	3900	1.49	.98	.801	.446
647-PCK0E561MCO1GS	PCK0E561MCO1GS	560	8 x 7	420	9	4500	1.61	1.06	.872	.485
647-PCK0E681MCO1GS	PCK0E681MCO1GS	680	8 x 7	510	9	4500	1.65	1.08	.894	.497
647-PCK0E122MCO1GS	PCK0E122MCO1GS	1200	10 x 8	900	9	5000	2.44	1.61	.83	.732
647-PCK0E222MCO1GS	PCK0E222MCO1GS	2200	10 x 10	1650	8	6000	2.30	1.68	.898	.785
4 Volts										
647-PCK0G331MCO1GS	PCK0G331MCO1GS	330	6.3 x 6	396	10	3900	1.49	.983	.804	.447
647-PCK0G471MCO1GS	PCK0G471MCO1GS	470	8 x 7	564	9	4500	1.62	1.06	.872	.485
647-PCK0G561MCO1GS	PCK0G561MCO1GS	560	8 x 7	672	9	4500	1.67	1.10	.903	.502
647-PCK0G102MCO1GS	PCK0G102MCO1GS	1000	10 x 8	1200	9	5000	2.48	1.63	.842	.743
647-PCK0G182MCO1GS	PCK0G182MCO1GS	1800	10 x 10	2160	8	6000	2.33	1.70	.912	.798
6.3 Volts										
647-PCK0J221MCO1GS	PCK0J221MCO1GS	220	6.3 x 6	416	10	3900	1.48	.973	.796	.443
647-PCK0J331MCO1GS	PCK0J331MCO1GS	330	8 x 7	624	9	4500	1.60	1.05	.846	.48
647-PCK0J391MCO1GS	PCK0J391MCO1GS	390	8 x 7	737	9	4500	1.63	1.07	.878	.488
647-PCK0J821MCO1GS	PCK0J821MCO1GS	820	10 x 8	1550	9	5000	2.45	1.61	.831	.734
647-PCK0J152MCO1GS	PCK0J152MCO1GS	1500	10 x 10	2835	8	6000	2.30	1.68	.898	.785