

NICHICON Aluminum Electrolytic Capacitors



CZ SERIES CHIP TYPE, HIGH RELIABILITY

Features:

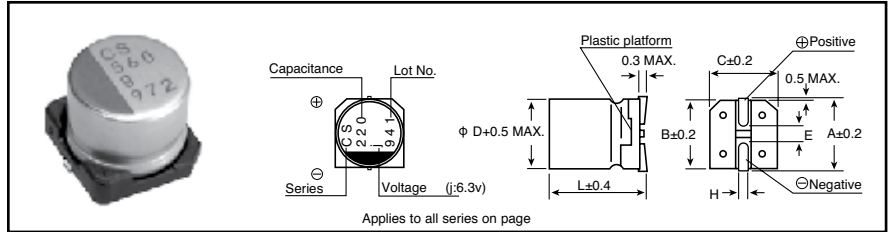
- Low temperature ESR specification
- Temperature range for +125°C use
- Added ESR specification after the test at -40°C
- Applicable to automatic mounting machine fed with carrier tape

Specifications:

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



RoHS Compliant This product is RoHS compliant.



For quantities of 2000 and up, 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	1.16	.714	.373	.336
647-UCZ1A331MCL6GS	UCZ1A331MCL6GS	330	8 x 10	3	0.20	270	1.24	.76	.364	.333
647-UCZ1A331MCL1GS	UCZ1A331MCL1GS	330	10 x 10	2	0.15	500	1.24	.76	.397	.358
647-UCZ1A471MCL1GS	UCZ1A471MCL1GS	470	10 x 10	2	0.15	500	1.24	.76	.397	.358
16 Volts										
647-UCZ1C101MCL6GS	UCZ1C101MCL6GS	100	6.3 x 7.7	5	0.45	197	1.16	.714	.342	.313
647-UCZ1C101MCL1GS	UCZ1C101MCL1GS	100	8 x 10	3	0.20	270	1.16	.714	.373	.336
647-UCZ1C221MCL1GS	UCZ1C221MCL1GS	220	8 x 10	3	0.20	270	1.24	.76	.397	.358
647-UCZ1C331MCL1GS	UCZ1C331MCL1GS	330	10 x 10	2	0.15	500	1.24	.76	.397	.358
647-UCZ1C471MCL1GS	UCZ1C471MCL1GS	470	10 x 10	2	0.15	500	1.24	.76	.397	.358
25 Volts										
647-UCZ1E101MCL1GS	UCZ1E101MCL1GS	100	8 x 10	3	0.20	270	1.16	.714	.373	.336
647-UCZ1E221MCL1GS	UCZ1E221MCL1GS	220	10 x 10	2	0.15	500	1.24	.76	.397	.358
647-UCZ1E331MCL1GS	UCZ1E331MCL1GS	330	10 x 10	2	0.15	500	1.24	.76	.397	.358
35 Volts										
647-UCZ1V470MCL6GS	UCZ1V470MCL6GS	47	6.3 x 7.7	5	0.45	197	1.12	.689	.33	.302
647-UCZ1V470MCL1GS	UCZ1V470MCL1GS	47	8 x 10	3	0.20	270	1.12	.689	.36	.325
647-UCZ1V680MCL1GS	UCZ1V680MCL1GS	68	8 x 10	3	0.20	270	1.12	.689	.36	.325
647-UCZ1V101MCL1GS	UCZ1V101MCL1GS	100	8 x 10	3	0.20	270	1.24	.76	.397	.358
647-UCZ1V221MCL1GS	UCZ1V221MCL1GS	220	10 x 10	2	0.15	500	1.24	.76	.397	.358

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: 4 to 16V
- Rated Capacitance Range: 22 to 560µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C

For quantities of 2000 and up, 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	1.35	.828	.672	.372
647-PCS0G331MCL1GS	PCS0G331MCL1GS	330	6.3 x 6	264	20	2800	1.30	.858	.702	.39
647-PCS0G331MCL9GS	PCS0G331MCL9GS	330	8 x 7	264	22	3200	1.30	.858	.702	.39
647-PCS0G561MCL1GS	PCS0G561MCL1GS	560	8 x 7	448	18	3600	1.45	.957	.783	.435
6.3 Volts										
647-PCS0J470MCL1GS	PCS0J470MCL1GS	47	5 x 6	100	35	1600	1.35	.828	.672	.372
647-PCS0J101MCL1GS	PCS0J101MCL1GS	100	5 x 6	126	25	2400	1.35	.828	.672	.372
647-PCS0J101MCL9GS	PCS0J101MCL9GS	100	6.3 x 6	126	22	2800	1.35	.828	.672	.372
647-PCS0J121MCL9GS	PCS0J121MCL9GS	121	6.3 x 6	151	22	2800	1.30	.858	.702	.39
647-PCS0J221MCL1GS	PCS0J221MCL1GS	220	6.3 x 6	277	20	2800	1.30	.858	.702	.39
647-PCS0J221MCL9GS	PCS0J221MCL9GS	220	8 x 7	277	22	3200	1.30	.858	.702	.39
647-PCS0J391MCL1GS	PCS0J391MCL1GS	390	8 x 7	491	22	3200	1.50	.99	.81	.45
10 Volts										
647-PCS1A330MCL1GS	PCS1A330MCL1GS	33	5 x 6	100	40	1300	1.35	.828	.672	.372
647-PCS1A560MCL9GS	PCS1A560MCL9GS	56	6.3 x 6	112	27	2300	1.25	.825	.675	.375
647-PCS1A680MCL1GS	PCS1A680MCL1GS	68	5 x 6	136	30	2100	1.35	.828	.672	.372
647-PCS1A121MCL1GS	PCS1A121MCL1GS	120	6.3 x 6	240	27	2300	1.30	.858	.702	.39
647-PCS1A151MCL9GS	PCS1A151MCL9GS	150	8 x 7	300	30	2600	1.40	.924	.756	.42
647-PCS1A271MCL1GS	PCS1A271MCL1GS	270	8 x 7	540	22	3200	1.50	.99	.81	.45
16 Volts										
647-PCS1C220MCL1GS	PCS1C220MCL1GS	22	5 x 6	100	45	1100	1.35	.828	.672	.372
647-PCS1C390MCL1GS	PCS1C390MCL1GS	39	5 x 6	125	35	2000	1.35	.828	.672	.372
647-PCS1C390MCL9GS	PCS1C390MCL9GS	39	6.3 x 6	125	30	2200	1.35	.828	.672	.372
647-PCS1C680MCL1GS	PCS1C680MCL1GS	68	6.3 x 6	218	30	2200	1.30	.858	.702	.39
647-PCS1C820MCL9GS	PCS1C820MCL9GS	82	8 x 7	262	28	2800	1.40	.924	.756	.42
647-PCS1C121MCL1GS	PCS1C121MCL1GS	120	8 x 7	384	28	2800	1.45	.957	.783	.435

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: 2.5 to 6.3V
- Rated Capacitance Range: 220 to 2200µF

For quantities of 2000 and up, 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	1.30	.858	.702	.39
647-PCK0E561MCO1GS	PCK0E561MCO1GS	560	8 x 7	420	9	4500	1.40	.924	.756	.42
647-PCK0E681MCO1GS	PCK0E681MCO1GS	680	8 x 7	510	9	4500	1.45	.957	.783	.435
647-PCK0E122MCO1GS	PCK0E122MCO1GS	1200	10 x 8	900	9	5000	2.15	1.41	.731	.666
647-PCK0E222MCO1GS	PCK0E222MCO1GS	2200	10 x 10	1650	8	6000	2.45	1.61	.833	.759
4 Volts										
647-PCK0G331MCO1GS	PCK0G331MCO1GS	330	6.3 x 6	396	10	3900	1.30	.858	.702	.39
647-PCK0G471MCO1GS	PCK0G471MCO1GS	470	8 x 7	564	9	4500	1.40	.924	.756	.42
647-PCK0G561MCO1GS	PCK0G561MCO1GS	560	8 x 7	672	9	4500	1.45	.957	.783	.435
647-PCK0G102MCO1GS	PCK0G102MCO1GS	1000	10 x 8	1200	9	5000	2.15	1.41	.731	.666
647-PCK0G182MCO1GS	PCK0G182MCO1GS	1800	10 x 10	2160	8	6000	2.05	1.50	.80	.737
6.3 Volts										
647-PCK0J221MCO1GS	PCK0J221MCO1GS	220	6.3 x 6	416	10	3900	1.30	.858	.702	.39
647-PCK0J331MCO1GS	PCK0J331MCO1GS	330	8 x 7	624	9	4500	1.40	.924	.756	.42
647-PCK0J391MCO1GS	PCK0J391MCO1GS	390	8 x 7	737	9	4500	1.45	.957	.783	.435
647-PCK0J821MCO1GS	PCK0J821MCO1GS	820	10 x 8	1550	9	5000	2.15	1.41	.731	.666
647-PCK0J152MCO1GS	PCK0J152MCO1GS	1500	10 x 10	2835	8	6000	2.45	1.61	.833	.759