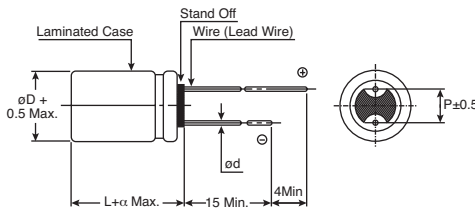


NICHICON Leaded FPCAP Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.



DIMENSIONS: mm			
øD x L	ød	P	α
8 x 11.5	0.6	3.5	1.5
10 x 12.5	0.6	5.0	1.5
5 x 8	0.6	2.0	1.0
5 x 10	0.5	2.0	1.0
6.3 x 6	0.45	2.5	1.0
6.3 x 10	0.5	2.5	1.0
8 x 6	0.6	3.5	1.0
8 x 9	0.6	3.5	1.0
8 x 11.5	0.6	3.5	1.5

Nichicon Aluminum Polymer Caps

HT SERIES - LOW ESR, HIGH TEMPERATURE AND LARGE CAPACITANCE

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Gauranteed at 125°C and high reliability
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
6.3V								
647-RHT0J681MDN1	RHT0J681MDN1	680	10 x 12.5	12	.93	.703	.459	.394
647-RHT0J821MDN1	RHT0J821MDN1	820	10 x 12.5	12	.93	.703	.459	.394
10V								
647-RHT1A221MDN1	RHT1A221MDN1	220	8 x 11.5	17	.83	.609	.385	.333
647-RHT1A331MDN1	RHT1A331MDN1	330	8 x 11.5	17	.93	.706	.461	.396
647-RHT1A561MDN1	RHT1A561MDN1	560	10 x 12.5	13	1.16	.924	.616	.523
16V								
647-RHT1C331MDN1	RHT1C331MDN1	330	10 x 12.5	16	1.30	1.02	.686	.583
20V								
647-RHT1D151MDN1	RHT1D151MDN1	150	10 x 12.5	20	1.12	.889	.592	.503

S6 SERIES - LOW ESR, LOW PROFILE AND LARGE CAPACITANCE

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Long life and high reliability
- Specifications:**
- Temperature Range: -55 to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
16V								
647-RS61C101MDS1JT	RS61C101MDS1JT	100	6.3 x 6	24	.91	.66	.42	.36

R5 SERIES - ULTRA LOW ESR

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

2.5V	MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm)	ESR (@ 100kHz 20°C)	Price Each			
						1	10	100	289
647-RR50E561MDN1	RR50E561MDN1	560	8 x 11.5	5	.72	.526	.335	.289	
647-RR50E681MDN1	RR50E681MDN1	680	8 x 11.5	5	.72	.528	.337	.29	
647-RR50E821MDN1	RR50E821MDN1	820	8 x 11.5	5	.79	.58	.364	.314	
647-RR50E102MDN1	RR50E102MDN1	1000	8 x 11.5	5	.79	.58	.364	.314	
647-RR50E152MDN1	RR50E152MDN1	1500	10 x 12.5	5	.88	.643	.408	.352	
4V									
647-RR50G561MDN1	RR50G561MDN1	560	8 x 11.5	5	.67	.495	.313	.27	
647-RR50G821MDN1	RR50G821MDN1	820	10 x 12.5	5	.87	.631	.402	.347	
647-RR50G122MDN1	RR50G122MDN1	1200	10 x 12.5	5	.88	.643	.408	.352	
6.3V									
647-RR50J391MDN1	RR50J391MDN1	390	8 x 11.5	5	.65	.472	.324	.241	
647-RR50J681MDN1	RR50J681MDN1	680	10 x 12.5	5	.88	.643	.408	.352	
647-RR50J821MDN1	RR50J821MDN1	820	10 x 12.5	5	.88	.643	.408	.352	

F8 SERIES - RADIAL LEAD TYPE, ULTRA LOW ESR, LOW ESL AND ULTRA LOW CAPACITANCE

- Features:**
- Ultra Low ESR at high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
 - Lead free reflow soldering condition at 260°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

2.5V	MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm)	ESR (@ 100kHz 20°C)	Price Each			
						1	10	100	389
647-RF80E101MDN1PX	RF80E101MDN1PX	100	5 x 8	7	1.04	.862	.428	.389	
647-RF80E331MDN1PX	RF80E331MDN1PX	330	5 x 8	7	1.09	.912	.451	.41	
647-RF80E471MDN1PX	RF80E471MDN1PX	470	5 x 8	7	.85	.721	.427	.399	
647-RF80E561MDN1PX	RF80E561MDN1PX	560	5 x 8	7	.90	.763	.446	.418	
4.5V									
647-RF80G331MDN1PX	RF80G331MDN1PX	330	5 x 8	8	1.09	.912	.451	.41	
6.3V									
647-RF80J271MDN1PX	RF80J271MDN1PX	270	5 x 8	11	.86	.722	.428	.40	

R7 SERIES - ULTRA LOW ESR

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RR70E681MDN1	RR70E681MDN1	680	8 x 11.5	7	.76	.536	.302	.263
647-RR70E821MDN1	RR70E821MDN1	820	8 x 11.5	7	.67	.484	.309	.265
647-RR70E152MDN1	RR70E152MDN1	1500	10 x 12.5	7	.89	.654	.414	.358
4V								
647-RR70G561MDN1	RR70G561MDN1	560	8 x 11.5	7	.66	.484	.307	.265
647-RR70G821MDN1	RR70G821MDN1	820	10 x 12.5	7	.85	.644	.418	.358
647-RR70G122MDN1	RR70G122MDN1	1200	10 x 12.5	7	.86	.633	.401	.346
6.3V								
647-RR70J151MDN1	RR70J151MDN1	150	8 x 11.5	7	.77	.538	.303	.263
647-RR70J221MDN1	RR70J221MDN1	220	8 x 11.5	7	.78	.546	.311	.271
647-RR70J331MDN1	RR70J331MDN1	330	10 x 12.5	7	.84	.619	.394	.339
647-RR70J391MDN1	RR70J391MDN1	390	8 x 11.5	7	.78	.547	.311	.271
647-RR70J681MDN1	RR70J681MDN1	680	10 x 12.5	7	.81	.598	.378	.326
647-RR70J821MDN1	RR70J821MDN1	820	10 x 12.5	7	.85	.622	.394	.34
647-RR70J102MDN1	RR70J102MDN1	1000	10 x 12.5	7	.83	.621	.406	.348
10V								
647-RR71A101MDN1	RR71A101MDN1	100	8 x 11.5	7	.78	.547	.311	.271
647-RR71A221MDN1	RR71A221MDN1	220	10 x 12.5	7	.81	.602	.378	.326
647-RR71A471MDN1	RR71A471MDN1	470	10 x 12.5	7	.83	.621	.406	.348
647-RR71A681MDN1	RR71A681MDN1	680	10 x 12.5	7	.84	.632	.413	.354
16V								
647-RR71C680MDN1	RR71C680MDN1	68	8 x 11.5	7	.67	.484	.309	.265
647-RR71C101MDN1	RR71C101MDN1	100	8 x 11.5	7	.67	.484	.309	.265
647-RR71C151MDN1	RR71C151MDN1	150	10 x 12.5	7	.80	.599	.376	.324
647-RR71C331MDN1	RR71C331MDN1	330	10 x 12.5	7	.81	.622	.401	.344

E5 SERIES - LOW ESR, LOW PROFILE AND LARGE CAPACITANCE

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RE50E561MDN1	RE50E561MDN1	560	8 x 8	5	.73	.51	.287	.25
647-RE50E821MDN1	RE50E821MDN1	820	8 x 8	5	.63	.46	.292	.252
4V								
647-RE50G561MDN1	RE50G561MDN1	560	8 x 8	5	.63	.46	.292	.252

NE SERIES - RADIAL LEAD TYPE, ULTRA LOW ESR AND ULTRA LOW CAPACITANCE

- Features:**
- Ultra Low ESR at high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
 - Lead free reflow soldering condition at 260°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RNE0E681MDN1PX	RNE0E681MDN1PX	680	8 x 6	8	1.04	.881	.433	.394
6.3V								
647-RNE0J122MDN1PX	RNE0J122MDN1PX	1200	8 x 9	10	1.21	1.02	.603	.564
10V								
647-RNE1A221MDS1PX	RNE1A221MDS1PX	220	6.3 x 10	30	.96	.805	.398	.362
16V								
647-RNE1C101MDS1PX	RNE1C101MDS1PX	100	5 x 10	35	.87	.733	.362	.33
647-RNE1C471MDN1PX	RNE1C471MDN1PX	470	8 x 11.5	12	1.17	.982	.627	.584