



OxiCap™ Niobium Oxide Capacitors — NOJ Series (Cont.)



Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DF % Maximum	DCL (µA) Maximum	ESR Maximum (mΩ)@100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		AVX Part No.
								1	10	100		Qty.	Pricing	
4	10	20	S	8	1.0	2200	478-5844-1-ND	.80	.70	.61	478-5844-2-ND	2,500	272.62/M	NOJS106M004RWJ
	15	20	A	6	1.2	2000	478-5850-1-ND	.40	.35	.31	478-5850-2-ND	8,000	136.31/M	NOJA156M004SWJ
	22	20	T	6	2.0	1800	478-5848-1-ND	.95	.83	.73	478-5848-2-ND	2,500	323.01/M	NOJT226M004RWJ
	47	20	A	18	3.8	2200	478-5529-1-ND	.50	.44	.38	478-5529-2-ND	2,000	168.53/M	NOJA476M004RWJ
	68	20	B	6	5.4	1500	478-5852-1-ND	.64	.56	.49	478-5852-2-ND	2,000	218.09/M	NOJB686M004RWJ
6.3	100	20	C	6	8	400	478-1824-1-ND†	.62	.54	.48	478-1824-2-ND	500	112.76	NOJC107M004RWJ
	4.7	20	A	6	1.1	3100	478-3213-1-ND†	.33	.29	.26	478-3213-2-ND	2,000	106.57/M	NOJA475M006RWJ
	6.8	20	S	8	1.0	2700	478-5846-1-ND	.08	.07	.06	478-5846-2-ND	2,500	27.26/M	NOJS685M006RWJ
	10	20	A	6	1.2	2200	478-1821-1-ND†	.33	.29	.26	478-1821-2-ND	2,000	112.35/M	NOJS475M006RWJ
	15	20	A	8	1.8	2000	478-5851-1-ND	.33	.29	.26	478-5851-2-ND	2,000	112.35/M	NOJA156M006RWJ
	22	20	B	6	2.64	1900	478-1823-1-ND†	.41	.36	.32	478-1823-2-ND	2,000	140.44/M	NOJB226M006RWJ
	33	20	B	6	4.0	1700	478-3215-1-ND	.61	.54	.47	478-3215-2-ND	2,000	197.44/M	NOJB336M006RWJ
	47	20	C	6	5.7	500	478-3217-1-ND†	.79	.69	.61	478-3217-2-ND	500	137.13	NOJC476M006RWJ
	68	20	C	6	8.2	500	478-3218-1-ND†	.99	.86	.76	478-3218-2-ND	500	170.59	NOJC686M006RWJ
	100	20	D	6	12.0	400	478-1825-1-ND†	.87	.76	.66	478-1825-2-ND	500	157.79	NOJD107M006RWJ
	100	20	B	20	60.0	1700	478-4919-1-ND	.78	.69	.60	478-4919-2-ND	2,000	266.83/M	NOJB107M006RWJ
	150	20	D	6	18.0	400	478-1826-1-ND†	1.03	.90	.79	478-1826-2-ND	500	187.94	NOJD157M006RWJ
	220	20	E	12	26.4	400	478-1827-1-ND†	2.48	2.16	1.89	478-1827-2-ND	400	360.84	NOJE227M006RWJ
330	20	E	12	39.6	300	478-1828-1-ND†	3.25	2.83	2.47	478-1828-2-ND	400	472.20	NOJE337M006RWJ	
10	4.7	20	A	6	1.0	3100	478-3120-1-ND	.30	.27	.23	478-3120-2-ND	2,000	102.44/M	NOJA475M010RWJ
	4.7	20	T	6	1.0	3100	478-5841-1-ND	.97	.84	.74	478-5841-2-ND	2,500	327.14/M	NOJT475M010RWJ
	6.8	20	T	6	1.4	2600	478-5842-1-ND	.97	.84	.74	478-5842-2-ND	2,500	327.14/M	NOJT685M010RWJ
	10	20	A	6	2.0	2200	478-3121-1-ND	.34	.30	.26	478-3121-2-ND	2,000	114.00/M	NOJA106M010RWJ
	10	20	B	6	2.0	2200	478-3122-1-ND	.39	.34	.30	478-3122-2-ND	2,000	133.00/M	NOJB106M010RWJ
	10	20	T	6	2.0	2200	478-5847-1-ND	.94	.82	.72	478-5847-2-ND	2,500	320.53/M	NOJT106M010RWJ
	15	20	B	6	3.0	2000	478-3220-1-ND†	.47	.41	.36	478-3220-2-ND	2,000	152.00/M	NOJB156M010RWJ
	22	20	B	6	4.4	1800	478-3123-1-ND	.56	.49	.43	478-3123-2-ND	2,000	190.01/M	NOJB226M010RWJ
	22	20	C	6	4.4	500	478-3124-1-ND	.78	.68	.60	478-3124-2-ND	500	142.09	NOJC226M010RWJ
	33	20	C	6	6.6	500	478-3125-1-ND	.78	.68	.60	478-3125-2-ND	500	142.09	NOJC336M010RWJ
	47	20	C	6	9.4	400	478-3126-1-ND	.78	.68	.60	478-3126-2-ND	500	142.09	NOJC476M010RWJ

† 478-3445-ND NOJ Series Capacitors Kit 5 each of values denoted (150 total pieces). See Digi-Key's website for complete list of parts. 38.21

NOS Low ESR Series • Temperature Range: -55°C – 125°C

Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DF % Maximum	DCL (µA) Maximum	ESR Maximum (mΩ)@100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		AVX Part No.
								1	10	100		Qty.	Pricing	
1.8	470	20	Y	8	16.9	100	478-3222-1-ND†	4.96	4.32	3.77	478-3222-2-ND	1,000	1714.16	NOSY477M001R0100
	220	20	C	8	11.0	80	478-3226-1-ND†	2.15	1.87	1.64	478-3226-2-ND	500	371.33	NOSC227M002R0080
2.5	470	20	D	10	23.5	100	478-3228-1-ND†	4.87	4.24	3.71	478-3228-2-ND	500	842.62	NOSD477M002R0100
	47	20	W	6	3.8	150	478-3233-1-ND†	2.48	2.16	1.89	478-3233-2-ND	1,000	856.67	NOSW476M004R0150
4	68	20	C	6	5.4	200	478-3234-1-ND†	1.86	1.62	1.42	—	—	—	NOSC686M004R0200
	100	20	C	6	8.0	70	478-3235-1-ND†	2.32	2.02	1.77	478-3235-2-ND	500	401.48	NOSC107M004R0070
	150	20	Y	6	12.0	100	478-3237-1-ND†	4.96	4.32	3.77	478-3237-2-ND	1,000	1714.16	NOSY157M004R0100
	220	20	D	8	17.6	60	478-3239-1-ND†	8.22	7.16	6.25	478-3239-2-ND	500	1421.31	NOSD227M004R0060
	330	20	D	8	26.4	100	478-1830-1-ND†	2.97	2.59	2.27	478-1830-2-ND	500	541.10	NOSD337M004R0100
	10	20	A	6	1.2	2000	478-3243-1-ND†	.73	.63	.55	478-3243-2-ND	2,000	233.79/M	NOSA106M006R2000
6.3	22	20	B	6	2.6	600	478-3244-1-ND†	.89	.78	.68	478-3244-2-ND	2,000	286.66/M	NOSB226M006R0600
	33	20	B	6	4.0	600	478-3245-1-ND†	.89	.78	.68	478-3245-2-ND	2,000	286.66/M	NOSB336M006R0600
	33	20	W	6	4.0	250	478-3252-1-ND†	2.24	1.95	1.70	478-3252-2-ND	1,000	813.71	NOSW336M006R0250
	47	20	B	6	5.6	500	478-5984-1-ND	.89	.78	.68	478-5984-2-ND	2,000	302.36/M	NOSB476M006R0500
	68	20	C	6	8.2	200	478-3246-1-ND†	1.94	1.69	1.48	478-3246-2-ND	500	335.81	NOSC686M006R0200
	100	20	D	6	12.0	100	478-1829-1-ND	1.94	1.69	1.48	478-1829-2-ND	500	353.16	NOJD107M006R0100
	100	20	D	6	12.0	80	478-3247-1-ND†	8.22	7.16	6.25	478-3247-2-ND	500	1421.31	NOSD107M006R0080
	150	20	D	6	18.0	70	478-3248-1-ND†	8.22	7.16	6.25	478-3248-2-ND	500	1421.31	NOSD157M006R0070
	220	20	D	8	26.4	100	478-3249-1-ND†	3.30	2.88	2.51	478-3249-2-ND	500	600.57	NOSD227M006R0100
	330	20	E	12	39.6	80	478-3251-1-ND†	7.27	6.33	5.53	478-3251-2-ND	400	1005.53	NOSE337M006R0080
	470	20	V	12	56.4	75	478-3253-1-ND†	9.83	8.56	7.48	478-3253-2-ND	400	1359.76	NOSV477M006R0075

† 478-3446-ND NOS Series Capacitors Kit 5 each of values denoted (150 total pieces). See Digi-Key's website for complete list of parts. 38.21

NLJ Series • Temperature Range: -55°C – 105°C

Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance %	Case Size	DCL (µA) Maximum	ESR Maximum (mΩ)@100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		AVX Part No.
							1	10	100		Qty.	Pricing	
4	22	20	P	8.8	4000	478-5655-1-ND	1.16	1.01	.88	478-5655-2-ND	2,500	393.23/M	NLJP226M004R4000
	150	20	B	60.0	1500	478-5654-1-ND	1.07	.94	.82	478-5654-2-ND	2,000	365.14/M	NLJB157M004R1500
6.3	47	20	A	28.2	1600	478-5652-1-ND	1.28	1.12	.98	478-5652-2-ND	2,000	435.36/M	NLJA476M006R1600
	47	20	T	28.2	1600	478-5656-1-ND	1.73	1.51	1.32	478-5656-2-ND	2,500	589.84/M	NLJT476M006R1600
	100	20	B	60.0	1700	478-5653-1-ND	.91	.80	.70	478-5653-2-ND	2,000	308.96/M	NLJB107M006R1700

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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