



TAC and TPC Series — Standard Microchip Surface Mount Tantalum Capacitors (Cont.)

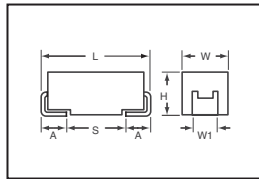


Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance (%)	Case Size	DF % Max.	DCL (µA) Max.	ESR Max. (Ω) @100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		AVX Part No.
								1	10	100		Qty.	Pricing	
6.3	47	20	A	15	3.0	1.0	478-3116-1-ND	4.54	3.96	3.46	478-3116-2-ND	500	826.93	TACA476M006XTA
	100	20	T	12	6.3	1.0	478-3261-1-ND†	4.03	3.51	3.07	478-3261-2-ND	500	733.16	TACT107M006XTA
10	1.0	20	K	6	0.5	15.0	478-2548-1-ND†	6.11	5.32	4.65	478-2548-2-ND	1,000	2225.51	TACK105M010QTA
	1.0	10	L	6	0.5	7.5	478-4183-1-ND	2.68	2.34	2.05	478-4183-2-ND	500	488.64	TACL105K010XTA
	1.0	20	L	6	0.5	7.5	478-2554-1-ND	2.68	2.34	2.05	478-2554-2-ND	500	488.64	TACL105M010XTA
	2.2	20	U	8	0.5	5.0	478-3262-1-ND†	3.51	3.06	2.67	478-3262-2-ND	500	638.99	TACU225M010XTA
	2.2	10	L	6	0.5	7.5	478-5223-1-ND	2.68	2.34	2.05	478-5223-2-ND	500	488.64	TACL225K010XTA
	2.2	20	L	6	0.5	7.5	478-2555-1-ND	2.68	2.34	2.05	478-2555-2-ND	500	488.64	TACL225M010XTA
	3.3	10	L	8	0.5	7.5	478-6061-1-ND	2.68	2.34	2.05	478-6061-2-ND	500	488.64	TACL335K010XTA
	3.3	20	L	8	0.5	7.5	478-2556-1-ND	2.68	2.34	2.05	478-2556-2-ND	500	488.64	TACL335M010XTA
	3.3	20	R	8	0.5	5.0	478-2563-1-ND	3.51	3.06	2.67	478-2563-2-ND	500	638.99	TACR335M010XTA
	4.7	20	L	10	0.5	6.0	478-2557-1-ND	2.68	2.34	2.05	478-2557-2-ND	500	488.64	TACL475M010XTA
	4.7	10	R	8	0.5	6.0	478-4190-1-ND	3.51	3.06	2.67	478-4190-2-ND	500	638.99	TACR475K010XTA
	4.7	10	R	8	0.5	6.0	478-5227-1-ND	3.51	3.06	2.67	478-5227-2-ND	2,500	1193.72/M	TACR475K010RTA
	4.7	20	R	8	0.5	6.0	478-2564-1-ND	2.27	1.98	1.73	478-2564-2-ND	500	413.46	TACR475M010XTA
	10	20	L	20	1.0	7.5	478-3263-1-ND†	2.68	2.34	2.05	478-3263-2-ND	500	488.64	TACL106M010XTA
	10	10	R	8	1.0	5.0	478-4186-1-ND	3.51	3.06	2.67	478-4186-2-ND	500	638.99	TACR106K010XTA
	10	10	R	8	1.0	5.0	478-5224-1-ND	3.51	3.06	2.67	478-5224-2-ND	2,500	1193.72/M	TACR106K010RTA
	10	20	R	8	1.0	5.0	478-5226-1-ND	3.51	3.06	2.67	478-5226-2-ND	2,500	1193.72/M	TACR106M010RTA
	10	20	V	10	1.0	2.0	478-4691-1-ND	5.35	4.66	4.07	478-4691-2-ND	2,500	1819.08/M	TACV106M010RTA
	15	10	R	10	1.5	5.0	478-4187-1-ND	3.51	3.06	2.67	478-4187-2-ND	500	638.99	TACR156K010XTA
	22	20	R	14	2.5	5.0	478-3117-1-ND†	3.51	3.06	2.67	478-3117-2-ND	500	638.99	TACR226M010XTA
33	20	A	12	3.3	1.0	478-3118-1-ND†	4.54	3.96	3.46	478-3118-2-ND	500	826.93	TACA336M010XTA	
47	20	T	12	4.7	1.0	478-3264-1-ND†	4.03	3.51	3.07	478-3264-2-ND	500	733.16	TACT476M010XTA	
16	1.0	20	U	8	0.5	5.0	478-3265-1-ND†	3.51	3.06	2.67	478-3265-2-ND	500	638.99	TACU105M016XTA
	1.0	10	L	6	0.5	7.5	478-4184-1-ND	2.68	2.34	2.05	478-4184-2-ND	500	488.64	TACL105K016XTA
	1.0	20	L	6	0.5	7.5	478-2558-1-ND	2.68	2.34	2.05	478-2558-2-ND	500	488.64	TACL105M016XTA
	2.2	20	L	10	0.5	7.5	478-3119-1-ND†	2.68	2.34	2.05	478-3119-2-ND	500	488.64	TACL225M016XTA
	10	20	R	10	1.6	5.0	478-2565-1-ND†	3.51	3.06	2.67	478-2565-2-ND	500	638.99	TACR106M016XTA
20	4.7	20	R	8	0.9	5.0	478-3266-1-ND†	3.51	3.06	2.67	478-3266-2-ND	500	638.99	TACR475M020XTA
25	1.0	20	R	8	0.5	5.0	478-3267-1-ND†	3.51	3.06	2.67	478-3267-2-ND	500	638.99	TACR105M025XTA
TPC Series														
3.0	47	10	R	10	1.5	1.5	478-4964-1-ND	4.46	3.89	3.40	478-4964-2-ND	2,500	1624.12/M	TPCR476K003R1500
4.0	33	10	R	10	1.3	1.5	478-4963-1-ND	4.46	3.89	3.40	478-4963-2-ND	2,500	1624.12/M	TPCR336K004R1500
	33	20	H	14	1.3	1.5	478-5691-1-ND	5.70	4.96	4.34	478-5691-2-ND	3,500	1938.04/M	TPCH336M004R1500
	100	20	R	30	4.0	1.0	478-5688-1-ND	4.46	3.89	3.40	478-5688-2-ND	2,500	1516.72/M	TPCR107M004R1000
6.3	2.2	10	L	6	0.5	5.0	478-5750-1-ND	3.39	2.95	2.58	478-5750-2-ND	3,500	1232.54/M	TPCL225K006R5000
	10	10	L	10	0.6	4.0	478-4959-1-ND	3.39	2.95	2.58	478-4959-2-ND	3,500	1232.54/M	TPCL106K006R4000
	22	10	R	10	1.4	1.5	478-4962-1-ND	4.46	3.89	3.40	478-4962-2-ND	2,500	1624.12/M	TPCR226K006R1500
10	1.0	20	L	6	0.5	5.0	478-5352-1-ND	3.39	2.95	2.58	478-5352-2-ND	3,500	1151.59/M	TPCL105M010R5000
	2.2	10	L	6	0.5	5.0	478-5751-1-ND	3.39	2.95	2.58	478-5751-2-ND	3,500	1232.54/M	TPCL225K010R5000
	3.3	10	L	8	0.5	5.0	478-4960-1-ND	3.39	2.95	2.58	478-4960-2-ND	3,500	1232.54/M	TPCL335K010R5000
	4.7	10	L	10	0.5	5.0	478-4961-1-ND	3.39	2.95	2.58	478-4961-2-ND	3,500	1232.54/M	TPCL475K010R5000
	10	10	H	8	1.0	2.5	478-5690-1-ND	5.70	4.96	4.34	478-5690-2-ND	3,500	1938.04/M	TPCH106K010R2500
16	2.2	10	R	30	4.0	1.0	478-5692-1-ND	4.46	3.89	3.40	478-5692-2-ND	2,500	1516.72/M	TPCR226K010R1500
16	2.2	10	L	10	0.5	5.0	478-5752-1-ND	3.39	2.95	2.58	478-5752-2-ND	3,500	1232.54/M	TPCL225K016R5000

† 478-3450-ND TAC Series Capacitors Kit 5 each of values denoted (105 total pieces). See Digi-Key's website for complete list of parts. 38.21

OxiCap™ Niobium Oxide Capacitors

Cost versus performance is a key requirement for consumer electronic products. A solid electrolyte capacitor OxiCap has been developed by AVX in standard EIA case sizes in order to meet this requirement as a higher performance alternative to aluminum and other SMT capacitor technologies currently on the market. The OxiCap non-burn technology is based on NbO niobium oxide ceramic material as the anodic material processed through the same manufacturing process as tantalum capacitors. The laser coded orange molded body gives total traceability.



Case Size	EIA Code	Dimensions — mm					
		L ±0.20	W +0.20, -0.10	H +0.20, -0.10	W1 ±0.20	A +0.30, -0.20	S Min.
A	3216-18	3.20	1.60	1.60	1.60	0.80	1.10
B	3528-21	3.50	2.80	1.90	2.20	0.80	1.40
C	6032-28	6.00	3.20	2.60	2.20	1.30	2.90
D	7343-31	7.30	4.30	2.90	2.40	1.30	4.40
E	7343-43	7.30	4.30	4.10	2.40	1.30	4.40
F	6032-20	6.00	3.20	2.00	2.20	1.30	2.90
P	2012-15	2.05	1.35	1.50	1.0 ±0.1	0.50	0.85
S	3216-12	3.20	1.60	1.20	1.20	0.80	1.10
T	3528-12	3.50	2.80	1.20	2.20	0.80	2.00
V	7361-38	7.30	6.10	3.45 ±0.30	3.10	1.40	1.80
W	6032-15	6.00	3.20	1.50	2.20	1.30	2.90
X	7343-15	7.30	4.30	1.50	2.40	1.30	4.40
Y	7343-20	7.30	4.30	2.00	2.40	1.30	4.40

NOJ Series • Temperature Range: -55°C - 105°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	
2.5	15	20	S	8	1.0	2000	478-5845-1-ND	.80	.70	.61	478-5845-2-ND	2,500	272.62/M	NOJS156M002RWJ
	33	20	T	6	1.7	1700	478-5849-1-ND	.95	.83	.73	478-5849-2-ND	2,500	323.01/M	NOJT336M002RWJ
	330	20	C	10	16.5	300	478-5843-1-ND	1.36	1.19	1.04	478-5843-2-ND	500	247.42	NOJC337M002RWJ
	1000	20	V	18	50.0	300	478-3201-1-ND†	6.44	5.61	4.90	478-3201-2-ND	400	891.20	NOJV108M002RWJ
4	6.8	20	P	6	1.0	5300	478-3202-1-ND†	.88	.77	.67	478-3202-2-ND	2,500	282.53/M	NOJP685M004RWJ

(Continued)

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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