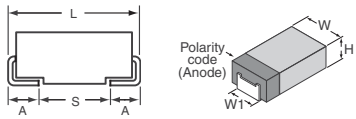
TAJ Series
Standard Surface Mount Tantalum Capacitors



The TAJ standard series encompasses the sizes recognized by major OEMs throughout the world. • **Temperature Range:** -55°C – 85°C rated voltage and up to 125°C with voltage derating in applications utilizing recommended series resistance

Case Size	EIA Code	Dimensions - mm					
		L	W	H	W1	A	S (Min.)
A	3216-18	3.20	1.60	1.60	1.20	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
P	2012-15	2.05	1.35	1.50	1.00	0.50	0.85
R	2012-12	2.05	1.30	1.20	1.00	0.50	0.85

Case Size	EIA Code	Dimensions - mm					
		L	W	H	W1	A	S (Min.)
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	1.40
V	7361-38	7.30	6.10	3.45	3.10	1.40	4.40
W	6032-15	6.00	3.20	1.50	2.20	1.30	2.90
Y	7343-20	7.30	4.30	2.00	2.40	1.30	4.40
X	7343-15	7.30	4.30	1.50	2.40	1.30	4.40

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 1	10	100	Digi-Key Part No.	Tape and Reel Qty.	Pricing	AVX Part No.
2.5	220	10	B	16	4.4	1600	478-3269-1-ND†	.83	.72	.63	478-3269-2-ND	2,000	252.79/M	TAJB227K002RNJ
	680	10	C	18	17.0	200	478-4771-1-ND	2.57	2.24	1.96	478-4771-2-ND	500	467.57	TAJC687K002RNJ
4	2.2	20	R	6	0.5	25000	478-3053-1-ND	.89	.78	.68	478-3053-2-ND	2,500	303.18/M	TAJR225M004RNJ
	22	10	P	8	0.9	5000	478-3270-1-ND	.99	.87	.76	478-3270-2-ND	2,500	303.18/M	TAJP226K004RNJ
	22	20	R	8	0.9	3800	478-3055-1-ND	.89	.78	.68	478-3055-2-ND	2,500	303.18/M	TAJR226M004RNJ
	33	10	A	6	1.3	3000	478-1665-1-ND†	.41	.36	.32	478-1665-2-ND	2,000	140.44/M	TAJA336K004RNJ
	47	10	A	8	1.9	2600	478-1669-1-ND	.41	.36	.32	478-1669-2-ND	2,000	140.44/M	TAJA476K004RNJ
	47	20	A	8	1.9	2600	478-3870-1-ND	.41	.36	.32	478-3870-2-ND	2,000	140.44/M	TAJA476M004RNJ
	68	10	B	6	2.7	1800	478-2344-1-ND	.54	.47	.41	478-2344-2-ND	2,000	182.57/M	TAJB686K004RNJ
	100	10	B	8	4	900	478-1676-1-ND	.95	.83	.73	478-1676-2-ND	2,000	323.01/M	TAJB107K004RNJ
	150	10	B	8	6	1500	478-2345-1-ND	.83	.72	.63	478-2345-2-ND	2,000	280.88/M	TAJB157K004RNJ
	150	20	B	8	6	1500	478-3878-1-ND	.83	.72	.63	478-3878-2-ND	2,000	280.88/M	TAJB157M004RNJ
	220	10	C	8	8.8	1200	478-2346-1-ND	1.94	1.69	1.48	478-2346-2-ND	500	330.03	TAJC227K004RNJ
	220	10	D	8	8.8	900	478-3064-1-ND	1.56	1.36	1.19	478-3064-2-ND	500	284.18	TAJD227K004RNJ
	330	10	C	8	13.2	900	478-2347-1-ND	2.01	1.75	1.53	478-2347-2-ND	500	340.77	TAJC337K004RNJ
	330	10	D	8	13.2	900	478-3065-1-ND	1.78	1.56	1.36	478-3065-2-ND	500	324.66	TAJD337K004RNJ
	470	10	C	14	18.8	300	478-4772-1-ND	2.38	2.07	1.81	478-4772-2-ND	500	432.46	TAJC477K004RNJ
	470	10	D	12	18.8	900	478-3066-1-ND	2.77	2.41	2.11	478-3066-2-ND	500	503.92	TAJD477K004RNJ
	470	10	E	10	18.8	500	478-3271-1-ND†	5.78	5.04	4.40	478-3271-2-ND	400	757.70	TAJE477K004RNJ
	680	10	D	14	27.2	500	478-3067-1-ND	3.02	2.62	2.29	478-3067-2-ND	500	548.12	TAJD687K004RNJ
	1000	10	E	14	40	400	478-2348-1-ND†	8.88	7.73	6.75	478-2348-2-ND	400	1207.76	TAJE108K004RNJ
6.3	2.2	20	A	6	0.5	9000	478-3862-1-ND	.37	.33	.29	478-3862-2-ND	2,000	126.40/M	TAJA225M006RNJ
	2.2	20	S	6	0.5	18000	478-3966-1-ND	.97	.85	.74	478-3966-2-ND	2,500	353.58/M	TAJS225M006RNJ
	3.3	20	A	6	0.5	6000	478-3029-1-ND	.31	.27	.24	478-3029-2-ND	2,000	103.27/M	TAJA335M006RNJ
	4.7	10	A	6	0.5	6000	478-3867-1-ND	.31	.27	.24	478-3867-2-ND	2,000	105.74/M	TAJA475K006RNJ
	4.7	20	A	6	0.5	6000	478-3031-1-ND	.31	.27	.24	478-3031-2-ND	2,000	105.74/M	TAJA475M006RNJ
	4.7	10	R	6	0.5	700	478-3272-1-ND	.91	.80	.70	478-3272-2-ND	2,500	278.40/M	TAJR475K006RNJ
	6.8	20	A	6	0.5	5000	478-3871-1-ND	.37	.33	.29	478-3871-2-ND	2,000	126.40/M	TAJA685M006RNJ
	6.8	20	B	6	0.7	3000	478-3045-1-ND	.41	.37	.32	478-3045-2-ND	2,000	141.27/M	TAJB685M006RNJ
	10	10	A	6	0.6	4000	478-1653-1-ND	.33	.29	.26	478-1653-2-ND	2,000	112.35/M	TAJA106K006RNJ
	10	20	A	6	0.6	4000	478-1656-1-ND	.31	.27	.24	478-1656-2-ND	2,000	105.74/M	TAJA106M006RNJ
	10	10	B	6	0.6	3000	478-3873-1-ND	.20	.18	.16	478-3873-2-ND	2,000	67.74/M	TAJB106K006RNJ
	10	20	B	6	0.6	3000	478-3874-1-ND	.17	.15	.13	478-3874-2-ND	2,000	56.18/M	TAJB106M006RNJ
	10	20	R	8	0.6	6000	478-3051-1-ND	.89	.78	.68	478-3051-2-ND	2,500	303.18/M	TAJR106M006RNJ
	10	10	R	8	0.6	6000	478-3273-1-ND	.91	.80	.70	478-3273-2-ND	2,500	278.40/M	TAJR106K006RNJ
	10	10	S	6	0.6	6000	478-3965-1-ND	.99	.87	.76	478-3965-2-ND	2,500	361.01/M	TAJS106K006RNJ
	15	10	P	8	0.9	3500	478-3274-1-ND	.99	.87	.76	478-3274-2-ND	2,500	303.18/M	TAJP156K006RNJ
	15	10	S	8	0.9	4000	478-3275-1-ND	.99	.87	.76	478-3275-2-ND	2,500	303.18/M	TAJS156K006RNJ
	15	20	A	6	0.9	3500	478-3026-1-ND	.37	.33	.29	478-3026-2-ND	2,000	126.40/M	TAJA156M006RNJ
	22	10	A	6	1.4	3000	478-3865-1-ND	.17	.15	.13	478-3865-2-ND	2,000	57.83/M	TAJA226K006RNJ
	22	20	A	6	1.4	3000	478-3028-1-ND	.42	.37	.33	478-3028-2-ND	2,000	142.92/M	TAJA226M006RNJ
	22	10	B	6	1.4	2500	478-1681-1-ND	.44	.39	.34	478-1681-2-ND	2,000	149.53/M	TAJB226K006RNJ
	22	10	C	6	1.4	2000	478-3898-1-ND	.31	.27	.24	478-3898-2-ND	500	55.76	TAJC226K006RNJ
	22	20	T	8	1.4	2500	478-3969-1-ND	1.13	.99	.87	478-3969-2-ND	2,500	412.23/M	TAJT226M006RNJ
	33	10	A	8	2.1	2500	478-1666-1-ND	.52	.45	.40	478-1666-2-ND	2,000	175.96/M	TAJA336K006RNJ
	33	20	A	8	2.1	2500	478-1667-1-ND	.52	.45	.40	478-1667-2-ND	2,000	175.96/M	TAJA336M006RNJ
	47	10	A	10	2.8	1600	478-5800-1-ND	.56	.49	.43	478-5800-2-ND	2,000	190.01/M	TAJA476K006RNJ
	47	10	B	6	3	2000	478-1692-1-ND	.54	.47	.41	478-1692-2-ND	2,000	182.57/M	TAJB476K006RNJ
	47	20	B	6	3	2000	478-3890-1-ND	.54	.47	.41	478-3890-2-ND	2,000	182.57/M	TAJB476M006RNJ
	47	10	T	10	2.8	1600	478-3276-1-ND	1.16	1.01	.88	478-3276-2-ND	2,500	353.58/M	TAJT476K006RNJ
	68	10	B	8	4	900	478-1696-1-ND	.62	.54	.48	478-1696-2-ND	2,000	210.66/M	TAJB686K006RNJ
	100	10	B	10	6.3	1700	478-1677-1-ND†	1.03	.90	.79	478-1677-2-ND	2,000	351.10/M	TAJB107K006RNJ
	100	20	B	10	6.3	1700	478-3877-1-ND	1.03	.90	.79	478-3877-2-ND	2,000	351.10/M	TAJB107M006RNJ
	100	10	C	6	6.3	900	478-1703-1-ND	.99	.87	.76	478-1703-2-ND	500	180.50	TAJC107K006RNJ
	100	10	D	6	6	600	478-3917-1-ND	1.61	1.41	1.23	478-3917-2-ND	500	293.27	TAJD107K006RNJ
	150	20	B	10	9.5	1200	478-4692-1-ND	1.35	1.17	1.03	478-4692-2-ND	2,000	456.84/M	TAJB157M006RNJ
	150	10	C	6	9.5	1300	478-1709-1-ND	1.61	1.41	1.23	478-1709-2-ND	500	293.27	TAJC157K006RNJ
	220	10	C	8	13.9	1200	478-1713-1-ND†	1.73	1.51	1.32	478-1713-2-ND	500	315.57	TAJC227K006RNJ
	220	20	D	8	13.9	900	478-3928-1-ND	2.15	1.87	1.63	478-3928-2-ND	500	390.33	TAJD227M006RNJ
	330	10	C	12	19.8	500	478-4773-1-ND	2.30	2.01	1.76	478-4773-2-ND	500	419.66	TAJC337K006RNJ
	330	10	E	8	20.8	400	478-3955-1-ND	1.32	1.15	1.01	478-3955-2-ND	400	192.32	TAJE337K006RNJ
	330	20	E	8	20.8	400	478-3956-1-ND	4.21	3.67	3.20	478-3956-2-ND	400	612.97	TAJE337M006RNJ
	330	10	Y	8	20.8	900	478-3277-1-ND	2.48	2.16	1.89	478-3277-2-ND	1,000	812.06	TAJY337K006RNJ
	470	10	D	12	28	400	478-1741-1-ND†	3.10	2.70	2.36	478-1741-2-ND	500	563.81	TAJD477K006RNJ
	470	20	D	12	28	400	478-3940-1-ND	2.89	2.52	2.20	478-3940-2-ND	500	526.23	TAJD477M006RNJ
	470	10	Y	20	28.2	200	478-4706-1-ND	2.48	2.16	1.89	478-4706-2-ND	1,000	902.10	TAJY477K006RNJ
	680	10	E	10	42.8	500	478-2349-1-ND	7.19	6.26	5.47	478-2349-2-ND	400	977.44	TAJE687K006RNJ
	1000	20	E	20	60	200	478-6133-1-ND	10.12	8.81	7.70	478-6133-2-ND	400	1473.43	TAJE108M006RNJ
10	1.0	10	R	4	0.5	25000	478-3278-1-ND	.91	.80	.70	478-3278-2-ND	2,500	278.40/M	TAJR105K010RNJ
	1.0	20	R	4	0.5	25000	478-3049-1-ND	.89	.78	.68	478-3049-2-ND	2,500	303.18/M	TAJR105M010RNJ
	2.2	10	A	6	0.5	7000	478-3861-1-ND	.40	.35	.30	478-3861-2-ND	2,000	133.83/M	TAJA225K010RNJ
	2.2	20	A	6	0.5	7000	478-3027-1-ND	.40	.35	.30	478-3027-2-ND	2,000	133.83/M	TAJA225M010RNJ
	2.2	20	R	6	0.5	15000	478-3054-1-ND	.89	.78	.68	478-3054-2-ND	2,500	303.18/M	TAJR225M010RNJ
	3.3	10	S	6	0.5	800	478-3279-1-ND	.99	.87	.76	478-3279-2-ND	2,500	303.18/M	TAJS335K010RNJ
	3.3	10	A	6	0.5	5500	478-3866-1-ND	.31	.28	.24	478-3866-2-ND	2,000	107.40/M	TAJA335K010RNJ
	3.3	20	A	6	0.5	5500	478-3030-1-ND	.31	.28	.24	478-3030-2-ND	2,000	107.40/M	TAJA335M010RNJ

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