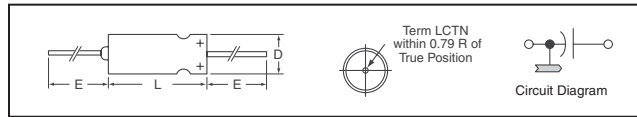




High-Temperature Wet Tantalum Capacitors

Applications: • Filtering, bypass circuits • Coupling and timing circuits • Low source impedance circuits • High charging current circuits
Features: • Operating Temperature: -55°C - 200°C, derated voltage • Volts, 6-125 • Low ESR • Tantalum case



WV (DC)	Cap. (µF)	Cap. Tol.	Maximum D.C. Leakage µA @ 25°C	Max. DF @ 25°C 120Hz	Max. ESR Ω @ 25°C 120Hz	Max. Ripple Current mArms @ 85°C 40kHz	Dimensions - mm			Kemet Case Size	MIL-PRF-39006/22/25/30/31 Case Size	Digi-Key Part No.	Price Each			Kemet Part No.
							L (Maximum)	D (Maximum)	E ± 6.35				1	10	100	
6V @ 85°C (3V @ 200°C)	30	10%	1	9	3.98	820	12.29	5.56	38.10	A	T1	399-3412-ND	30.00	22.50	18.00	T197A306K006AS
8V @ 85°C (4V @ 200°C)	56	10%	1	14	3.32	900	12.29	5.56	38.10	A	T1	399-3415-ND	30.00	22.50	18.00	T197A566K008AS
10V @ 85°C (5V @ 200°C)	20	10%	1	6	3.98	820	12.29	5.56	38.10	A	T1	399-3409-ND	30.00	22.50	18.00	T197A206K010AS
10V @ 85°C (5V @ 200°C)	47	10%	1	13	3.67	855	12.29	5.56	38.10	A	T1	399-3414-ND	30.00	22.50	18.00	T197A476K010AS
15V @ 85°C (7.5V @ 200°C)	15	10%	1	5	4.42	780	12.29	5.56	38.10	A	T1	399-3406-ND	30.00	22.50	18.00	T197A156K015AS
15V @ 85°C (7.5V @ 200°C)	100	10%	2	30	3.98	900	12.29	5.56	38.10	A	T1	399-3424-ND	34.00	25.50	20.40	T198A107K015AS
15V @ 85°C (7.5V @ 200°C)	10	10%	1	4	5.31	715	12.29	5.56	38.10	A	T1	399-3404-ND	30.00	22.50	18.00	T197A106K025AS
25V @ 85°C (12.5V @ 200°C)	22	10%	1	7	4.22	800	12.29	5.56	38.10	A	T1	399-3410-ND	30.00	22.50	18.00	T197A226K025AS
25V @ 85°C (12.5V @ 200°C)	68	10%	2	22	4.29	850	12.29	5.56	38.10	A	T1	399-3426-ND	34.00	25.50	20.40	T198A686K025AS
25V @ 85°C (12.5V @ 200°C)	270	10%	3	55	2.70	1400	17.07	7.92	57.15	B	T2	399-3432-ND	44.00	33.00	26.40	T198E277K025AS
30V @ 85°C (15V @ 200°C)	15	20%	1	5	4.42	780	12.29	5.56	38.10	A	T1	399-3407-ND	30.00	22.50	18.00	T197A156M030AS
30V @ 85°C (15V @ 200°C)	56	10%	2	22	5.21	800	12.29	5.56	38.10	A	T1	399-3427-ND	34.00	25.50	20.40	T198A566K030AS
50V @ 85°C (25V @ 200°C)	47	10%	1	13	3.67	1155	17.07	7.92	57.15	B	T2	399-3420-ND	40.00	30.00	24.00	T197B476K050AS
50V @ 85°C (25V @ 200°C)	33	10%	2	12.3	4.95	700	12.29	5.56	38.10	A	T1	399-3426-ND	34.00	25.50	20.40	T198A336K050AS
50V @ 85°C (25V @ 200°C)	330	10%	9	38	1.53	1900	27.76	10.31	57.15	D	T4	399-3434-ND	70.00	52.50	42.00	T198D337K050AS
60V @ 85°C (30V @ 200°C)	39	10%	1	12	4.08	1110	17.07	7.92	57.15	B	T2	399-3419-ND	40.00	30.00	24.00	T197B396K060AS
60V @ 85°C (30V @ 200°C)	100	10%	4	19	2.52	1100	17.07	7.92	57.15	B	T2	399-3429-ND	44.00	33.00	26.40	T198B107K060AS
60V @ 85°C (30V @ 200°C)	6.8	10%	1	3.5	6.83	610	12.29	5.56	38.10	A	T1	399-3416-ND	30.00	22.50	18.00	T197A685K075AS
75V @ 85°C (37.5V @ 200°C)	15	10%	1	6	5.31	890	17.07	7.92	57.15	B	T2	399-3417-ND	40.00	30.00	24.00	T197B156K075AS
75V @ 85°C (37.5V @ 200°C)	33	10%	1	10	4.02	1000	17.07	7.92	57.15	B	T2	399-3418-ND	40.00	30.00	24.00	T197B336K075AS
75V @ 85°C (37.5V @ 200°C)	82	10%	4	15.2	2.46	1000	17.07	7.92	57.15	B	T2	399-3433-ND	44.00	33.00	26.40	T198B826K075AS
100V @ 85°C (50V @ 200°C)	2.5	10%	1	2	10.62	505	12.29	5.56	38.10	A	T1	399-3411-ND	30.00	22.50	18.00	T197A255K100AS
100V @ 85°C (50V @ 200°C)	10	10%	3	4.5	5.97	800	12.29	5.56	38.10	A	T1	399-3423-ND	34.00	25.50	20.40	T198A106K100AS
125V @ 85°C (62.5V @ 200°C)	1.7	10%	1	2	15.61	415	12.29	5.56	38.10	A	T1	399-3408-ND	30.00	22.50	18.00	T197A175K125AS
125V @ 85°C (62.5V @ 200°C)	3.6	10%	1	3	11.05	520	12.29	5.56	38.10	A	T1	399-3413-ND	30.00	22.50	18.00	T197A365K125AS
125V @ 85°C (62.5V @ 200°C)	27	10%	5	7.2	3.54	1200	17.07	7.92	57.15	B	T2	399-3431-ND	44.00	33.00	26.40	T198B276K125AS
125V @ 85°C (62.5V @ 200°C)	56	10%	10	6.5	1.54	1800	27.76	10.31	57.15	D	T4	399-3422-ND	62.00	46.50	37.20	T197D566K125AS

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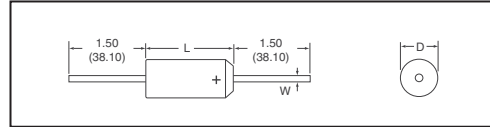
Molded Axial Tantalum Capacitors T322 Series



The KEMET T322 Series offers a complete line of extended range molded solid tantalum capacitors. These capacitors offer an extremely high capacitance-to-volume ratio while still maintaining excellent performance characteristics.

Applications: Decoupling, blocking, bypassing and filtering in commercial computers, data processing, communications, and other electronic equipment. The low ESR/impedance at high frequencies offered by this capacitor is especially suitable for decoupling required by high speed computers. The ESR values provided are for reference only.

Specifications: Capacitance Tolerance (%): ±10 • Operating Temperature: -55°C - 85°C (125°C with voltage derating)



WV (DC)	Cap. (µF)	ESR Ω @ 100kHz @ +25°C	D.C. Leakage µA @ 25°C	Max. DF % @ 25°C 120Hz	Dimensions (mm)			Digi-Key Part No.	Price Each			Kemet Part No.
					D	L	W		1	10	100	
3.3	13	0.5	4	2.4	6.6	.51	399-4528-ND	.65	.56	.44	T322A335K006AT	
4.7	10	0.5	4	2.4	6.6	.51	399-4529-ND	.65	.56	.44	T322A475K006AT	
6.8	8.0	0.5	6	2.8	7.4	.51	399-4530-ND	.71	.61	.48	T322B885K006AT	
10	6.0	0.5	6	2.8	7.4	.51	399-4531-ND	.71	.61	.48	T322B106K006AT	
15	5.0	0.7	6	2.8	7.4	.51	399-4532-ND	.71	.61	.48	T322B156K006AT	
22	3.7	1.1	6	4.6	8.8	.51	399-4533-ND	1.36	1.17	.92	T322C226K006AT	
33	3.0	1.5	6	4.6	8.8	.51	399-4534-ND	1.36	1.17	.92	T322C336K006AT	
47	2.0	2.3	6	4.6	10.7	.51	399-4535-ND	1.52	1.31	1.02	T322D476K006AT	
68	1.8	3.3	6	4.6	10.7	.51	399-4536-ND	1.64	1.41	1.11	T322D686K006AT	
100	1.6	4.8	8	7.1	13.5	.64	399-4537-ND	4.14	3.55	2.78	T322E107K006AT	
150	0.9	5.0	8	7.1	13.5	.64	399-4538-ND	4.14	3.55	2.78	T322E157K006AT	
220	0.9	10.0	8	7.1	13.5	.64	399-4539-ND	5.51	4.73	3.70	T322E227K006AT	
330	0.7	10.0	8	7.6	18.0	.64	399-4540-ND	10.96	9.40	7.37	T322F337K006AT	
2.2	13	0.5	4	2.4	6.6	.51	399-4541-ND	.65	.56	.44	T322A225K010AT	
3.3	10	0.5	4	2.4	6.6	.51	399-4542-ND	.65	.56	.44	T322A335K010AT	
4.7	8.0	0.5	4	2.8	7.4	.51	399-4543-ND	.71	.61	.48	T322B475K010AT	
6.8	6.0	0.5	6	2.8	7.4	.51	399-4544-ND	.71	.61	.48	T322B685K010AT	
10	5.0	0.8	6	2.8	7.4	.51	399-4545-ND	.71	.61	.48	T322B106K010AT	
22	2.7	1.5	6	4.6	8.8	.51	399-4547-ND	1.36	1.17	.92	T322C226K010AT	
33	2.1	2.6	6	4.6	10.7	.51	399-4548-ND	1.52	1.31	1.02	T322C336K010AT	
47	3.7	1.2	6	4.6	10.7	.51	399-4549-ND	1.64	1.41	1.11	T322D476K010AT	
68	1.3	3.8	6	4.6	10.7	.51	399-4550-ND	1.64	1.41	1.11	T322D686K010AT	
100	1.0	8.0	8	7.1	13.5	.64	399-4551-ND	4.14	3.55	2.78	T322E107K010AT	
150	0.8	10.0	8	7.1	13.5	.64	399-4552-ND	5.51	4.73	3.70	T322E157K010AT	
220	0.6	10.0	8	7.6	18.0	.64	399-4553-ND	10.96	9.40	7.37	T322F227K010AT	
1.5	10	0.5	4	2.4	6.6	.51	399-4554-ND	.65	.56	.44	T322A155K015AT	
2.2	8.0	0.5	4	2.4	6.6	.51	399-4555-ND	.65	.56	.44	T322A255K015AT	
3.3	6.0	0.5	4	2.8	7.4	.51	399-4556-ND	.71	.61	.48	T322B335K015AT	
4.7	5.0	0.6	4	2.8	7.4	.51	399-4557-ND	.80	.69	.54	T322B475K015AT	
6.8	4.0	0.8	6	2.8	7.4	.51	399-4558-ND	.80	.69	.54	T322B685K015AT	
10	3.2	1.2	6	4.6	8.8	.51	399-4559-ND	1.36	1.17	.92	T322C106K015AT	
15	2.5	1.5	6	4.6	8.8	.51	399-4560-ND	1.36	1.17	.92	T322C156K015AT	
22	2.0	2.6	6	4.6	10.7	.51	399-4561-ND	1.52	1.31	1.02	T322D226K015AT	
33	1.6	4.0	6	4.6	10.7	.51	399-4562-ND	1.64	1.41	1.11	T322D336K015AT	
47	1.3	5.0	6	7.1	13.5	.64	399-4563-ND	4.14	3.55	2.78	T322E476K015AT	
56	1.3	6.7	6	7.1	13.5	.64	399-4564-ND	4.14	3.55	2.78	T322E566K015AT	
68	1.0	8.2	6	7.1	13.5	.64	399-4565-ND	4.14	3.55	2.78	T322E686K015AT	
100	0.8	10.0	8	7.1	13.5	.64	399-4566-ND	5.51	4.73	3.70	T322E107K015AT	
150	0.6	10.0	8	7.6	18.0	.64	399-4567-ND	10.96	9.40	7.37	T322F157K015AT	
1.0	10	0.5	4	2.4	6.6	.51	399-4568-ND	.65	.56	.44	T322A105K020AT	
1.5	9.0	0.5	4	2.4	6.6	.51	399-4569-ND	.65	.56	.44	T322A155K020AT	
2.2	7.0	0.5	4	2.8	7.4	.51	399-4570-ND	.71	.61	.48	T322B225K020AT	
3.3	5.5	0.5	4	2.8	7.4	.51	399-4571-ND	.71	.61	.48	T322B335K020AT	
4.7	4.5	0.8	4	2.8	7.4	.51	399-4572-ND	.80	.69	.54	T322B475K020AT	
10	2.9	1.6	6	4.6	8.8	.51	399-4573-ND	1.36	1.17	.92	T322C106K020AT	
15	2.3	1.8	6	4.6	10.7	.51	399-4574-ND	1.52	1.31	1.02	T322D156K020AT	
22	1.8	3.5	6	4.6	10.7	.51	399-4575-ND	1.64	1.41	1.11	T322D226K020AT	
33	1.4	5.0	6	7.1	13.5	.64	399-4576-ND	4.14	3.55	2.78	T322E336K020AT	
47	1.2	7.5	6	7.1	13.5	.64	399-4577-ND	4.14	3.55	2.78	T322E476K020AT	
68	0.9	10.0	6	7.1	13.5	.64	399-4578-ND	5.51	4.73	3.70	T322E686K020AT	
100	0.6	10.0	8	7.6	18.0	.64	399-4579-ND	10.96	9.40	7.37	T322F107K020AT	
47	16	0.5	3	2.4	6.6	.51	399-4580-ND	.65	.56	.44	T322A474K025AT	
68	12	0.5	3	2.4	6.6	.51	399-4581-ND	.65	.56	.44	T322A684K025AT	
1.0	10	0.5	3	2.4	6.6	.51	399-4582-ND	.65	.56	.44	T322A105K025AT	
1.5	8.0	0.5	3	2.8	7.4	.51	399-4583-ND	.80	.69	.54	T322C156K025AT	
2.2	6.0	0.5	3									