

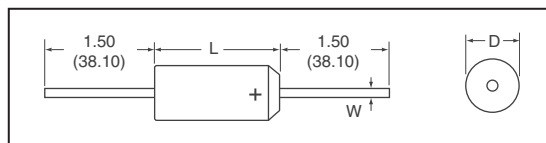
The KEMET T322 Series offers a complete line of extended range molded solid tantalum capacitors. These capacitors offer an extremely high capacitance-to-volume ratio while still maintaining excellent performance characteristics.

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	
6.3	3.3	13	0.5	4	2.4	6.6	.51	399-1452-ND	.65	.56	.44	T322A335K006AS
	4.7	10	0.5	4	2.4	6.6	.51	399-1453-ND	.65	.56	.44	T322A475K006AS
	6.8	8	0.5	6	2.8	7.4	.51	399-1454-ND	.71	.61	.48	T322B685K006AS
	10	6	0.5	6	2.8	7.4	.51	399-1455-ND	.71	.61	.48	T322B106K006AS
	15	5	0.7	6	2.8	7.4	.51	399-1456-ND	.71	.61	.48	T322B156K006AS
	22	3.7	1.1	6	4.6	8.8	.51	399-1457-ND	1.36	1.17	.92	T322C226K006AS
	33	3.0	1.5	6	4.6	8.8	.51	399-1458-ND	1.36	1.17	.92	T322C336K006AS
	47	2.0	2.3	6	4.6	10.7	.51	399-1459-ND	1.52	1.31	1.02	T322D476K006AS
	68	1.8	3.3	6	4.6	10.7	.51	399-1460-ND	1.64	1.41	1.11	T322D686K006AS
	100	1.6	4.8	8	7.1	13.5	.64	399-1461-ND	4.14	3.55	2.78	T322E107K006AS
	150	0.9	5.0	8	7.1	13.5	.64	399-1462-ND	4.14	3.55	2.78	T322E157K006AS
	220	0.9	10.0	8	7.1	13.5	.64	399-1463-ND	5.51	4.73	3.70	T322E227K006AS
	330	0.7	10.0	8	7.6	18.0	.64	399-1464-ND	10.96	9.40	7.37	T322F337K006AS
10	2.2	13	0.5	4	2.4	6.6	.51	399-1465-ND	.65	.56	.44	T322A225K010AS
	3.3	10	0.5	4	2.4	6.6	.51	399-1466-ND	.65	.56	.44	T322A335K010AS
	4.7	8	0.5	4	2.8	7.4	.51	399-1467-ND	.71	.61	.48	T322B475K010AS
	6.8	6	0.5	6	2.8	7.4	.51	399-1468-ND	.71	.61	.48	T322B685K010AS
	10	5	0.8	6	2.8	7.4	.51	399-1469-ND	.71	.61	.48	T322B106K010AS
	15	3.7	1.2	6	4.6	8.8	.51	399-1470-ND	1.36	1.17	.92	T322C156K010AS
	22	2.7	1.5	6	4.6	8.8	.51	399-1471-ND	1.36	1.17	.92	T322C226K010AS
	33	2.1	2.6	6	4.6	10.7	.51	399-1472-ND	1.52	1.31	1.02	T322D336K010AS
	47	1.7	3.8	6	4.6	10.7	.51	399-1473-ND	1.64	1.41	1.11	T322D476K010AS
	68	1.3	5.0	6	7.1	13.5	.64	399-1474-ND	4.14	3.55	2.78	T322E686K010AS
	100	1.0	8.0	8	7.1	13.5	.64	399-1475-ND	4.14	3.55	2.78	T322E107K010AS
	150	0.8	10.0	8	7.1	13.5	.64	399-1476-ND	5.51	4.73	3.70	T322E157K010AS
	220	0.6	10.0	8	7.6	18.0	.64	399-1477-ND	10.96	9.40	7.37	T322F227K010AS
15	1.5	10	0.5	4	2.4	6.6	.51	399-1478-ND	.65	.56	.44	T322A155K015AS
	2.2	8	0.5	4	2.4	6.6	.51	399-1479-ND	.65	.56	.44	T322A225K015AS
	3.3	6	0.5	4	2.8	7.4	.51	399-1480-ND	.71	.61	.48	T322B335K015AS
	4.7	5	0.6	4	2.8	7.4	.51	399-1481-ND	.80	.69	.54	T322B475K015AS
	6.8	4	0.8	6	2.8	7.4	.51	399-1482-ND	.80	.69	.54	T322B685K015AS
	10	3.2	1.2	6	4.6	8.8	.51	399-1483-ND	1.36	1.17	.92	T322C106K015AS
	15	2.5	1.5	6	4.6	8.8	.51	399-1484-ND	1.36	1.17	.92	T322C156K015AS
	22	2.0	2.6	6	4.6	10.7	.51	399-1485-ND	1.52	1.31	1.02	T322D226K015AS
	33	1.6	4.0	6	4.6	10.7	.51	399-1486-ND	1.64	1.41	1.11	T322D336K015AS
	47	1.3	5.0	6	7.1	13.5	.64	399-1487-ND	4.14	3.55	2.78	T322E476K015AS
	56	1.3	6.7	6	7.1	13.5	.64	399-1488-ND	4.14	3.55	2.78	T322E566K015AS
	68	1.0	8.2	6	7.1	13.5	.64	399-1489-ND	4.14	3.55	2.78	T322E686K015AS
	100	0.8	10.0	8	7.1	13.5	.64	399-1490-ND	5.51	4.73	3.70	T322E107K015AS
	150	0.6	10.0	8	7.6	18.0	.64	399-1491-ND	10.96	9.40	7.37	T322F157K015AS
20	1.0	10	0.5	4	2.4	6.6	.51	399-1492-ND	.65	.56	.44	T322A105K020AS
	1.5	9	0.5	4	2.4	6.6	.51	399-1493-ND	.65	.56	.44	T322A155K020AS
	2.2	7	0.5	4	2.8	7.4	.51	399-1494-ND	.71	.61	.48	T322B225K020AS
	3.3	5.5	0.5	4	2.8	7.4	.51	399-1495-ND	.71	.61	.48	T322B335K020AS
	4.7	4.5	0.8	4	2.8	7.4	.51	399-1496-ND	.80	.69	.54	T322B475K020AS
	15	2.3	2.4	6	4.6	10.7	.51	399-1498-ND	1.52	1.31	1.02	T322D156K020AS
	22	1.8	3.5	6	4.6	10.7	.51	399-1499-ND	1.64	1.41	1.11	T322D226K020AS
	33	1.4	5.0	6	7.1	13.5	.64	399-1500-ND	4.14	3.55	2.78	T322E336K020AS
	47	1.2	7.5	6	7.1	13.5	.64	399-1501-ND	4.14	3.55	2.78	T322E476K020AS
	68	0.9	10.0	6	7.1	13.5	.64	399-1502-ND	5.51	4.73	3.70	T322E686K020AS
	100	0.6	10.0	8	7.6	18.0	.64	399-1503-ND	10.96	9.40	7.37	T322F107K020AS
	47	16	0.5	3	2.4	6.6	.51	399-1504-ND	.65	.56	.44	T322A474K025AS
	68	12	0.5	3	2.4	6.6	.51	399-1505-ND	.65	.56	.44	T322A684K025AS
25	1.5	8	0.5	3	2.8	7.4	.51	399-1507-ND	.80	.69	.54	T322B155K025AS
	2.2	6	0.5	3	2.8	7.4	.51	399-1508-ND	.80	.69	.54	T322B225K025AS
	3.3	5	0.7	3	2.8	7.4	.51	399-1509-ND	.80	.69	.54	T322B335K025AS
	4.7	4	0.9	4	4.6	8.8	.51	399-1510-ND	1.36	1.17	.92	T322C475K025AS
	6.8	3.1	1.4	4	4.6	8.8	.51	399-1511-ND	1.36	1.17	.92	T322C685K025AS
	15	2	3.0	4	4.6	10.7	.51	399-1512-ND	1.64	1.41	1.11	T322D156K025AS
	22	1.5	4.4	6	7.1	13.5	.64	399-1513-ND	4.14	3.55	2.78	T322E226K025AS
	33	1.2	6.6	6	7.1	13.5	.64	399-1514-ND	4.14	3.55	2.78	T322E336K025AS
	68	0.8	10.0	6	7.6	18.0	.64	399-1516-ND	10.96	9.40	7.37	T322F686K025AS
	10	26	0.5	3	2.4	6.6	.51	399-1517-ND	.65	.56	.44	T322A104K035AS
	15	21	0.5	3	2.4	6.6	.51	399-1518-ND	.65	.56	.44	T322A154K035AS
	22	17	0.5	3	2.4	6.6	.51	399-1519-ND	.65	.56	.44	T322A224K035AS

(Continued)

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	
35	.33	15	0.5	3	2.4	6.6	.51	399-1520-ND	.65	.56	.44	T322A334K035AS
	.47	13	0.5	3	2.4	6.6	.51	399-1521-ND	.65	.56	.44	T322A474K035AS
	.68	10	0.5	3	2.8	7.4	.51	399-1522-ND	.71	.61	.48	T322B684K035AS
	1.0	8	0.5	3	2.8	7.4	.51	399-1523-ND	.71	.61	.48	T322B105K035AS
	1.5	6	0.5	3	2.8	7.4	.51	399-1524-ND	.80	.69	.54	T322B155K035AS
	2.2	5	0.6	3	4.6	8.8	.51	399-1525-ND	1.36	1.17	.92	T322C225K035AS
	4.7	3	1.3	4	4.6	8.8	.51	399-1527-ND	1.36	1.17	.92	T322C475K035AS
	6.8	2.5	1.9	4	4.6	10.7	.51	399-1528-ND	1.52	1.31	1.02	T322D685K035AS
	10	2	2.8	4	4.6	10.7	.51	399-1529-ND	1.64	1.41	1.11	T322D106K035AS
	15	1.6	4.2	6	7.1	13.5	.64	399-1530-ND	4.14	3.55	2.78	T322E156K035AS
50	.10	26	0.5	3	2.4	6.6	.51	399-1534-ND	.74	.63	.50	T322A104K050AS
	.15	21	0.5	3	2.4	6.6	.51	399-1535-ND	.74	.63	.50	T322A154K050AS
	.22	17	0.5	3	2.4	6.6	.51	399-1536-ND	.74	.63	.50	T322A224K050AS
	.33	15	0.5	3	2.8	7.4	.51	399-1537-ND	.87	.75	.59	T322B334K050AS
	.47	13	0.5	3	2.8	7.4	.51	399-1538-ND	.87	.75	.59	T322B474K050AS
	.68	10	0.5	3	2.8	7.4	.51	399-1539-ND	.87	.75	.59	T322B684K050AS
	1.0	8	0.5	3	2.8	7.4	.51	399-1540-ND	.96	.83	.65	T322B105K050AS
	1.5	5	0.6	4	4.6	8.8	.51	399-1541-ND	1.54	1.33	1.04	T322C155K050AS
	2.2	3.5	0.9	4	4.6	8.8	.51	399-1542-ND	1.54	1.33	1.04	T322C225K050AS
	3.3	3	1.3	4	4.6	10.7	.51	399-1543-ND	2.06	1.77	1.39	T322D335K050AS
50	6.8	2	2.7	4	7.1	13.5	.64	399-1545-ND	4.54	3.90	3.06	T322E685K050AS
	10	1.6	4.0	6	7.1	13.5	.64	399-1546-ND	4.54	3.90	3.06	T322E106K050AS
	15	1.2	6.0	6	7.6	18.0	.64	399-1547-ND	13.62	11.68	9.15	T322F156K050AS

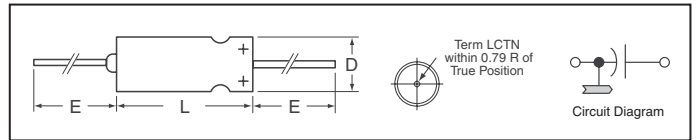
High-Temperature Wet Tantalum Capacitors

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.	D.C. Leakage μA @ 25°C	Max. DF @ 25°C 120Hz	Max. ESR Ω @ 25°C 120Hz	Max. Ripple Current mA Arms @ 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
	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
	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
25V @ 85°C (12.5V @ 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
	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
	68	10%	2	22	4.29	850	12.29	5.56	38.10	A	T1	399-3428-ND	34.00	25.50	20.40	T198A686K025AS
	270	10%	3	55	2.70	1400	17.07	7.92	57.15	B	T2	399-3432-ND	44.00	33.00	26.40	T198B277K025AS
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
	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)	10	10%	1	4	5.31	715	12.29	5.56	38.10	A	T1	399-3405-ND	30.00	22.50	18.00	T197A106K050AS
	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
	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
	120	10%	4	22.5	2.49	1200	17.07	7.92	57.15	B	T2	399-3430-ND	44.00	33.00	26.40	T198B127K050AS
	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
	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
75V @ 85°C (37.5V @ 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
	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
	22	10%	3	8.5	5.13	600	12.29	5.56	38.10	A	T1	399-3425-ND	34.00	25.50	20.40	T198A226K075AS
	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
	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	T198B26K075AS
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
	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
	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
	27	10%	5	7.2	3.34	1200	17.07	7.92	57.15	B	T2	399-3431-ND	44.00	33.00	26.40	T198B276K125AS
	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
	82	10%	12	17.4	2.82	1900	27.76	10.31	57.15	D	T4	399-3435-ND	70.00	52.50	42.00	T198D826K125AS

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