

VISHAY / SPRAGUE Wet Tantalum Capacitors



VISHAY 135D WET TANTALUM CAPACITORS

Model 135D tantalum-case tantalum electrolytic capacitors incorporate the advantages of all the varieties of electrolytic capacitors and eliminate most of the disadvantages. These units have a 3 volt reverse voltage capability at +85°C and a higher ripple current capability than any other electrolytic type with similar combinations of capacitance and case size. Model 135D capacitors are commercial equivalents of Military Style CLR79 and CLR81, designed to meet the performance requirements of Military Specification MIL-C-39006/22/25.

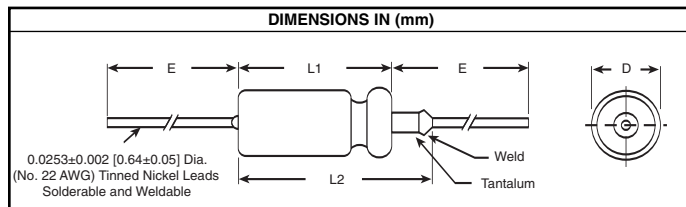
Case Code		D	L1	L2 (Max.)	E	Weight In Grams (Max.)
Type 135D	CLR 79/81 Equiv.					
C	T1	0.188 ± 0.016 (4.78 ± 0.41)	0.453 + 0.031-0.016 (11.51 + 0.79-0.41)	0.734 (18.64)	1.500 ± 0.250 (38.10 ± 6.35)	2.6
F	T2	0.281 ± 0.016 (7.14 ± 0.41)	0.641 + 0.031 -0.016 (16.28 + 0.79-0.41)	0.922 (23.42)	2.250 ± 0.250 (57.15 ± 6.35)	6.2
T	T3	0.375 ± 0.016 (9.53 ± 0.41)	0.766 + 0.031-0.016 (19.46 + 0.79-0.41)	1.047 (26.59)	2.250 ± 0.250 (57.15 ± 6.35)	11.6
K	T4	0.375 ± 0.016 (9.53 ± 0.41)	1.062 + 0.031-0.016 (26.97 + 0.79-0.41)	1.343 (34.11)	2.250 ± 0.250 (57.15 ± 6.35)	17.7

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol.± %	Price Each			
Mfr.	Mfr. Part No.					1	5	10	20
74	135D127X0010C6	10	120	C	20	41.48	38.16	33.18	29.86
74	135D107X9015C6	15	100	C	10	41.48	38.16	33.18	29.86
74	135D107X0015C6	15	100	C	20	41.48	38.16	33.18	29.86
74	135D277X0015F6	15	270	F	20	55.03	50.62	44.02	39.62
74	135D397X0015F6	15	390	F	20	55.03	50.62	44.02	39.62
74	135D226X0025C6	25	22	C	20	37.18	34.20	29.74	26.77
74	135D566X9025C6	25	56	C	10	41.48	38.16	33.18	29.86
74	135D566X0025C6	25	56	C	20	41.48	38.16	33.18	29.86
74	135D686X9025C6	25	68	C	10	41.48	38.16	33.18	29.86
74	135D107X9025F6	25	100	F	10	49.53	45.46	39.62	35.66
74	135D107X0025F6	25	100	F	20	49.53	45.46	39.62	35.66
74	135D277X9025F6	25	270	F	10	55.03	50.62	44.02	39.62
74	135D277X0025F6	25	270	F	20	55.03	50.62	44.02	39.62
74	135D156X0030C6	30	15	C	20	37.18	34.20	29.74	26.77
74	135D476X0030C6	30	47	C	20	41.48	38.16	33.18	29.86
74	135D566X0030C6	30	56	C	20	41.48	38.16	33.18	29.86
74	135D157X0030F6	30	150	F	20	55.03	50.62	44.02	39.62
74	135D396X0035C6	35	39	C	20	41.48	38.16	33.18	29.86
74	135D106X9050C6	50	10	C	10	37.18	34.20	29.74	26.77
74	135D106X0050C6	50	10	C	20	37.18	34.20	29.74	26.77
74	135D336X9050C6	50	33	C	10	41.48	38.16	33.18	29.86
74	135D476X0050F6	50	47	F	20	49.53	45.46	39.62	35.66
74	135D127X9050F6	50	120	F	10	55.03	50.62	44.02	39.62
74	135D127X0050F6	50	120	F	20	55.03	50.62	44.02	39.62
74	135D167X0050K6	50	160	K	20	78.10	71.85	62.48	56.23
74	135D825X0060C6	60	8.2	C	20	37.18	34.20	29.74	26.77

Specifications:

- Operating Temperature: -55°C to +85°C, derate 33% @ 125°C and 50% @ 200°C.
- Life Test: Capacitors are capable of withstanding a 2000 hour life test at a temperature of +85°C or +125°C at the applicable rated DC working voltage.
- Insulation: All parts below have a High Temperature Film Insulation (above +125°C).



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol.± %	Price Each			
Mfr.	Mfr. Part No.					1	5	10	20
74	135D276X9060C6	60	27	C	10	41.48	38.16	33.18	29.86
74	135D396X0060F6	60	39	F	20	49.53	45.46	39.62	35.66
74	135D100X0060F6	60	100	F	10	55.03	50.62	44.02	39.62
74	135D107X0060F6	60	100	F	20	55.03	50.62	44.02	39.62
74	135D147X0060K6	60	140	K	20	78.10	71.85	62.48	56.23
74	135D686X0075C6	75	6.8	C	20	37.18	34.20	29.74	26.77
74	135D226X9075C6	75	22	C	10	41.48	38.16	33.18	29.86
74	135D226X0075C6	75	22	C	20	41.48	38.16	33.18	29.86
74	135D336X0075F6	75	33	F	20	49.53	45.46	39.62	35.66
74	135D826X0075F6	75	82	F	20	55.03	50.62	44.02	39.62
74	135D227X9075K6	75	220	K	10	87.83	80.80	70.26	63.23
74	135D475X9100C6	100	4.7	C	10	37.18	34.20	29.74	26.77
74	135D475X0100C6	100	4.7	C	20	37.18	34.20	29.74	26.77
74	135D106X9100C6	100	10	C	10	41.48	38.16	33.18	29.86
74	135D106X0100C6	100	10	C	20	41.48	38.16	33.18	29.86
74	135D226X0100F6	100	22	F	20	49.53	45.46	39.62	35.66
74	135D175X0125C6	125	1.7	C	20	37.18	34.20	29.74	26.77
74	135D365X0125C6	125	3.6	C	20	37.18	34.20	29.74	26.77
74	135D686X9125C6	125	6.8	C	10	41.48	38.16	33.18	29.86
74	135D146X9125F6	125	14	F	10	49.53	45.46	39.62	35.66
74	135D256X0125T6	125	25	T	20	63.23	58.17	50.58	45.52
74	135D276X9125F6	125	27	F	10	55.03	50.62	44.02	39.62
74	135D276X0125F6	125	27	F	20	55.03	50.62	44.02	39.62
74	135D476X9125T6	125	47	T	10	70.00	64.40	56.00	50.40
74	135D566X9125K6	125	56	K	10	78.10	71.85	62.48	56.23
74	135D566X0125K6	125	56	K	20	78.10	71.85	62.48	56.23
74	135D826X0125K6	125	82	K	20	87.83	80.80	70.26	63.23

VISHAY 109D WET TANTALUM CAPACITORS

Model 109D tubular elastomer-sealed, gelled-electrolyte sintered anode TANTALEX® capacitors fill the basic requirements for applications where a superior quality, reliable design for industrial, automotive and telecommunications applications is desired. Type 109D capacitors are commercial equivalents of Military Style CL64 and CL65, designed to meet the performance requirements of Military Specification MIL-C-3965.

Specifications:

- Operating temperature: -55°C to +85°C, derate 33% @ 125°C
- Capacitance tolerance: ±10%

Case Size	With Plastic-Film Insulating Sleeve		Lead Length ±.250
	D ± 0.016 (Max.)	L (Max.)	
C	.219	.608	1.500
F	.312	.796	2.250
T	.406	.921	2.250
K	.406	1.217	2.250

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Price Each				
Mfr.	Mfr. Part No.				1	5	10	20	50
74	109D157X9010C2	10	150	C	21.36	19.19	17.97	17.42	15.94
74	109D567X9010F2	10	560	F	25.25	22.68	21.24	20.58	18.85
74	109D108X9010T2	10	1000	T	31.81	28.58	26.76	25.94	23.75
74	109D158X9010K2	10	1500	K	43.96	39.49	36.98	35.85	32.82
74	109D107X9015C2	15	100	C	21.36	19.19	17.97	17.42	15.94
74	109D397X9015F2	15	390	F	25.25	22.68	21.24	20.58	18.85
74	109D827X9015T2	15	820	T	31.81	28.58	26.76	25.94	23.75
74	109D226X9025C2	25	22	C	17.08	15.34	14.37	13.92	12.75
74	109D686X9025C2	25	68	C	21.36	19.19	17.97	17.42	15.94
74	109D107X9025F2	25	100	F	20.17	18.12	16.97	16.45	15.06
74	109D277X9025F2	25	270	F	25.25	22.68	21.24	20.58	18.85
74	109D567X9025T2	25	560	T	31.81	28.58	26.76	25.94	23.75
74	109D687X9025K2	25	680	K	43.96	39.49	36.98	35.85	32.82
74	109D156X9030C2	30	15	C	17.08	15.34	14.37	13.92	12.75
74	109D476X9030C2	30	47	C	21.36	19.19	17.97	17.42	15.94
74	109D157X9030F2	30	150	F	25.25	22.68	21.24	20.58	18.85
74	109D187X9030F2	30	180	F	25.25	22.68	21.24	20.58	18.85
74	109D227X9030F2	30	220	F	25.25	22.68	21.24	20.58	18.85
74	109D337X9030T2	30	330	T	31.81	28.58	26.76	25.94	23.75
74	109D477X9030T2	30	470	T	31.81	28.58	26.76	25.94	23.75
74	109D106X9050C2	50	10	C	17.08	15.34	14.37	13.92	12.75
74	109D336X9050C2	50	33	C	21.36	19.19	17.97	17.42	15.94