

VISHAY/SPRAGUE Radial Leaded Tantalum Capacitors

VISHAY TYPE 199D SOLID TANTALUM CAPACITORS

Solid-Electrolyte TANTALEX® Capacitors Resin-Coated, Radial-Lead

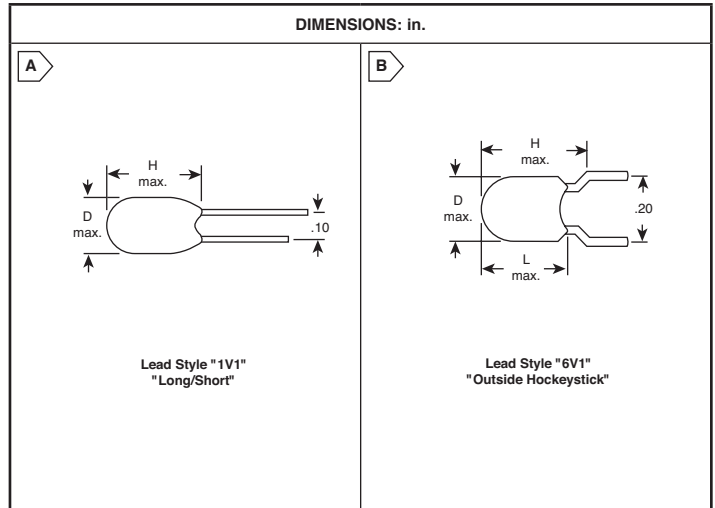
Features:

- Economy and high performance are combined in these radial-lead solid-electrolyte TANTALEX® capacitors
- Rugged, reliable capacitors featuring low leakage current and low dissipation factor

Performance Characteristics:

- Operating temperature: -55°C to +85°C
- Derate voltage: 33% @ 125°C
- Capacitance Tolerance: ±10%
- Lead size: 24AWG, 0.010 nom. dia.

Case Code	Dimensions: in. (mm)	
	Diameter D (Max.)	Length L (Max.)
A	0.177 (4.40)	0.280 (7.11)
B	0.196 (5.00)	0.300 (7.62)
C	0.216 (5.50)	0.360 (9.14)
D	0.236 (6.00)	0.400 (10.16)
E	0.340 (8.60)	0.492 (12.50)
F	0.380 (9.60)	0.650 (16.50)



Tantalum Caps, Leaded

Vishay

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (µF)	Case Code	Volt (DC)	Max. DLC @ 25°C (µA)	Max. DF @ +25°C 120 Hz (%)	Price Each				
								1	25	100	500	1000
74-199D6.3V10	199D106X96R3B1V1	A	10	B	6.3	0.6	8	.86	.60	.465	.36	.31
74-199D6.3V33	199D336X96R3C1V1	A	33	C	6.3	2	8	1.06	.83	.63	.476	.42
74-199D6.3V47	199D476X96R3D1V1	A	47	D	6.3	2.9	8	1.18	.92	.697	.527	.465
74-199D6.3V68	199D686X96R3D1V1	A	68	D	6.3	4	8	1.48	1.29	.925	.802	.682
74-199D6.3V100	199D107X96R3D1V1	A	100	D	6.3	5	10	3.06	2.44	1.89	1.44	1.26
74-199D10V10	199D106X9010B1V1	A	10	B	10	1	8	.94	.715	.511	.396	.341
74-199D10V22	199D226X9010C1V1	A	22	C	10	2	8	1.10	1.01	.652	.493	.435
74-199D10V33	199D336X9010D1V1	A	33	D	10	3	8	1.25	.99	.742	.561	.495
74-199D10V68	199D686X9010D1V1	A	68	D	10	5	8	3.06	2.44	1.89	1.44	1.26
74-199D10V100	199D107X9010E6V1	B	100	E	10	6	10	4.64	4.06	2.90	2.32	2.09
74-199D10V220	199D227X9010F6V1	B	220	F	10	8	10	6.39	5.65	4.54	3.90	3.62
74-199D16V2.2	199D225X9016A1V1	A	2.2	A	16	0.5	6	.76	.56	.384	.304	.256
74-199D16V3.3	199D335X9016A1V1	A	3.3	A	16	0.5	6	.76	.56	.384	.304	.256
74-199D16V4.7	199D475X9016B1V1	A	4.7	B	16	0.7	6	.86	.60	.465	.36	.31
74-199D16V6.8	199D685X9016B1V1	A	6.8	B	16	1	6	.98	.74	.534	.414	.356
74-199D16V10	199D106X9016C1V1	A	10	C	16	1.5	8	.95	.74	.562	.425	.375
74-199D16V22	199D226X9016D1V1	A	22	D	16	3.5	8	1.18	.92	.697	.527	.465
74-199D16V33	199D336X9016D1V1	A	33	D	16	4	8	2.07	1.65	1.28	.976	.854
74-199D16V47	199D476X9016E6V1	B	47	E	16	5	8	3.80	3.33	2.38	1.90	1.70
74-199D16V68	199D686X9016E6V1	B	68	E	16	6	8	4.64	4.06	2.90	2.32	2.09
74-199D16V100	199D107X9016F6V1	B	100	F	16	7	10	5.55	5.19	4.19	3.45	3.21
74-199D20V2.2	199D225X9020A1V1	A	2.2	A	20	0.5	6	.72	.63	.456	.36	.326
74-199D20V10	199D106X9020C1V1	A	10	C	20	2	8	1.14	.822	.675	.51	.45
74-199D20V15	199D156X9020D1V1	A	15	D	20	2.5	8	1.28	1.12	.805	.57	.54
74-199D20V22	199D226X9020D1V1	A	22	D	20	3	8	2.07	1.65	1.28	.976	.854
74-199D20V47	199D476X9020E6V1	B	47	E	20	5	8	4.36	3.81	2.72	2.22	2.09
74-199D25V1.5	199D155X9025A1V1	A	1.5	A	25	0.5	6	.76	.56	.384	.304	.256
74-199D25V2.2	199D225X9025A1V1	A	2.2	A	25	0.5	6	.76	.56	.384	.304	.256
74-199D25V4.7	199D475X9025B1V1	A	4.7	B	25	1	6	.98	.74	.534	.414	.356
74-199D25V6.8	199D685X9025C1V1	A	6.8	C	25	1.5	6	1.18	.92	.697	.527	.465
74-199D25V15	199D156X9025D1V1	A	15	D	25	3	8	2.28	1.80	1.40	1.07	.938
74-199D25V22	199D226X9025D1V1	A	22	D	25	4	8	3.06	2.44	1.89	1.44	1.26
74-199D25V47E	199D476X9025E6V1	B	47	E	25	6	8	4.38	3.90	2.97	2.45	2.27
74-199D25V68	199D686X9025F6V1	B	68	F	25	7	8	6.39	5.65	4.54	3.90	3.62
74-199D35V0.1	199D104X9035A1V1	A	0.1	A	35	0.5	4	.76	.56	.384	.304	.256
74-199D35V0.15	199D154X9035A1V1	A	0.15	A	35	0.5	4	.76	.56	.384	.304	.256
74-199D35V0.22	199D224X9035A1V1	A	0.22	A	35	0.5	4	.76	.56	.384	.304	.256
74-199D35V0.47	199D474X9035A1V1	A	0.47	A	35	0.5	4	.76	.56	.384	.304	.256
74-199D35V0.68	199D684X9035A1V1	A	0.68	A	35	0.5	4	.76	.56	.384	.304	.256
74-199D35V1.0	199D105X9035A1V1	A	1	A	35	0.5	4	.76	.56	.384	.304	.256
74-199D35V1.5	199D155X9035A1V1	A	1.5	A	35	0.5	6	.72	.63	.456	.36	.326
74-199D35V2.2	199D225X9035B1V1	A	2.2	B	35	0.7	6	.90	.683	.488	.378	.325
74-199D35V3.3	199D335X9035B1V1	A	3.3	B	35	1	6	1.03	.78	.558	.432	.372
74-199D35V4.7	199D475X9035C1V1	A	4.7	C	35	1.5	6	1.06	.83	.63	.476	.42
74-199D35V15	199D156X9035E6V1	B	15	E	35	4	8	4.36	3.81	2.72	2.22	2.09
74-199D35V33	199D336X9035F6V1	B	33	F	35	6	8	4.82	4.30	3.28	2.70	2.50
74-199D35V47	199D476X9035F6V1	B	47	F	35	7	8	6.39	5.65	4.54	3.90	3.62
74-199D50V0.1	199D104X9050A1V1	A	0.1	A	50	0.5	4	.81	.59	.408	.323	.272
74-199D50V0.22	199D224X9050A1V1	A	0.22	A	50	0.5	4	.81	.59	.408	.323	.272
74-199D50V0.33	199D334X9050A1V1	A	0.33	A	50	0.5	4	.86	.60	.465	.36	.31
74-199D50V1.0	199D105X9050B1V1	A	1	B	50	0.5	4	.86	.60	.465	.36	.31
74-199D50V2.2	199D225X9050C1V1	A	2.2	C	50	1.1	6	1.18	.92	.697	.527	.489
74-199D50V10	199D106X9050F6V1	B	10	F	50	4	8	7.11	6.22	4.68	3.67	3.43
74-199D50V22	199D226X9050F6V1	B	22	F	50	6	8	7.47	6.60	5.31	4.56	4.23