

Performance Characteristics:

• Operating Temperature: -55°C – 85°C (Up to 125°C with voltage derating)

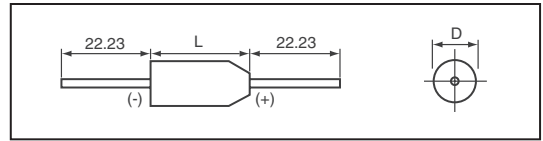
Features:

• Terminations: 100% Tin • Miniature axial-lead capacitors available in five sizes • Precision molded in gold colored, flame retardant, thermosetting epoxy resin • Laser marked for improved legibility and tapered end of case provides easy identification of positive terminal

Applications:

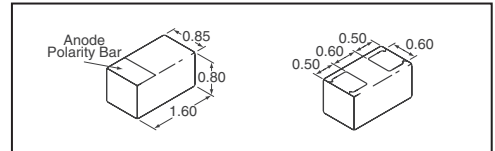
• Designed for high performance automotive, industrial and commercial electronic equipment

Dimensions (mm)		
Case	L Max.	D Max.
U	6.60	2.41
V	7.37	2.79
W	8.76	4.57
X	10.67	4.57
Y	13.97	7.11



Case Code	Capacitance (µF)	Capacitance Tolerance	Max. DCL @ +25°C (µA)	Max. DF @ +25°C 120Hz (%)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		Vishay Part No.
						1	10	100		Qty.	Pricing	
10 Volt @ 85°C (7 Volt @ 125°C)												
V	10.0	±10%	0.8	6	718-1421-1-ND	.60	.39	.30	718-1421-2-ND	4,000	244.00/M	173D106X9010VWe3
W	22.0	±10%	1.5	6	718-1438-1-ND	1.18	.76	.58	718-1438-2-ND	2,500	474.00/M	173D226X9015WWe3
X	47.0	±10%	3.8	6	718-1429-1-ND	1.37	.88	.67	718-1429-2-ND	2,500	552.00/M	173D476X9010XWe3
15 Volt @ 85°C (10 Volt @ 125°C)												
U	2.2	±10%	0.5	4	718-1416-1-ND	.55	.35	.27	718-1416-2-ND	4,500	220.00/M	173D225X9015UWe3
V	6.8	±10%	0.8	6	718-1425-1-ND	.68	.44	.33	718-1425-2-ND	4,000	273.00/M	173D685X9015VWe3
W	15.0	±10%	1.5	6	718-1444-1-ND	1.18	.76	.58	718-1444-2-ND	2,500	474.00/M	173D156X9015WWe3
X	22.0	±10%	2.6	6	718-1415-1-ND	1.37	.88	.67	718-1415-2-ND	2,500	552.00/M	173D226X9015XWe3
X	33.0	±10%	4.0	6	718-1433-1-ND	1.56	1.00	.76	718-1433-2-ND	2,500	626.00/M	173D336X9015XWe3
Y	150.0	±20%	10.0	8	718-1443-1-ND	7.62	4.88	3.71	718-1443-2-ND	500	1535.50	173D157X0015YWe3
20 Volt @ 85°C (13 Volt @ 125°C)												
U	1.0	±10%	0.5	4	718-1423-1-ND	.55	.35	.27	718-1423-2-ND	4,500	220.00/M	173D105X9020UWe3
V	4.7	±10%	0.8	4	718-1411-1-ND	.68	.44	.33	718-1411-2-ND	4,000	273.00/M	173D475X9020VWe3
W	10.0	±10%	1.6	6	718-1446-1-ND	1.18	.76	.58	718-1446-2-ND	2,500	474.00/M	173D106X9020WWe3
X	15.0	±10%	2.4	6	718-1417-1-ND	1.37	.88	.67	718-1417-2-ND	2,500	552.00/M	173D156X9020XWe3
X	22.0	±10%	3.5	6	718-1437-1-ND	1.56	1.00	.76	718-1437-2-ND	2,500	626.00/M	173D226X9020XWe3
Y	100.0	±10%	10.0	6	718-1418-1-ND	7.62	4.88	3.71	718-1418-2-ND	500	1535.50	173D107X9020YWe3
25 Volt @ 85°C (17 Volt @ 125°C)												
U	1.0	±10%	0.5	3	718-1448-1-ND	.55	.35	.27	718-1448-2-ND	4,500	220.00/M	173D105X9025UWe3
V	2.2	±10%	0.5	3	718-1441-1-ND	.68	.44	.33	718-1441-2-ND	4,000	273.00/M	173D225X9025VWe3
V	3.3	±10%	0.7	3	718-1434-1-ND	.68	.44	.33	718-1434-2-ND	4,000	273.00/M	173D335X9025VWe3
W	10.0	±10%	1.5	4	718-1420-1-ND	1.18	.76	.58	718-1420-2-ND	2,500	474.00/M	173D106X9025WWe3
Y	22.0	±10%	4.4	6	718-1414-1-ND	4.02	2.58	1.96	718-1414-2-ND	500	810.50	173D226X9025YWe3
Y	47.0	±10%	9.4	6	718-1428-1-ND	5.37	3.43	2.61	718-1428-2-ND	500	1081.00	173D476X9025YWe3
35 Volt @ 85°C (23 Volt @ 125°C)												
U	0.10	±10%	0.5	3	718-1450-1-ND	.55	.35	.27	718-1450-2-ND	4,500	220.00/M	173D104X9035UWe3
U	0.33	±10%	0.5	3	718-1435-1-ND	.55	.35	.27	718-1435-2-ND	4,500	220.00/M	173D334X9035UWe3
U	0.47	±10%	0.5	3	718-1432-1-ND	.55	.35	.27	718-1432-2-ND	4,500	220.00/M	173D474X9035UWe3
V	1.0	±10%	0.5	3	718-1422-1-ND	.60	.39	.30	718-1422-2-ND	4,000	244.00/M	173D105X9035VWe3
V	1.5	±10%	0.5	3	718-1445-1-ND	.68	.44	.33	718-1445-2-ND	4,000	273.00/M	173D155X9035VWe3
W	2.2	±10%	0.6	3	718-1440-1-ND	1.18	.76	.58	718-1440-2-ND	2,500	474.00/M	173D225X9035WWe3
W	4.7	±10%	1.3	4	718-1431-1-ND	1.18	.76	.58	718-1431-2-ND	2,500	474.00/M	173D475X9035WWe3
X	6.8	±10%	1.9	4	718-1424-1-ND	1.37	.88	.67	718-1424-2-ND	2,500	552.00/M	173D685X9035XWe3
X	6.8	±20%	1.9	4	718-1426-1-ND	1.37	.88	.67	718-1426-2-ND	2,500	552.00/M	173D685X0035XWe3
X	10.0	±10%	2.8	4	718-1419-1-ND	1.56	1.00	.76	718-1419-2-ND	2,500	626.00/M	173D106X9035XWe3
Y	22.0	±10%	6.2	6	718-1436-1-ND	4.02	2.58	1.96	718-1436-2-ND	500	810.50	173D226X9035YWe3
Y	33.0	±10%	9.2	6	718-1413-1-ND	5.38	3.44	2.62	718-1413-2-ND	500	1083.00	173D336X9035YWe3
Y	47.0	±10%	10.0	6	718-1427-1-ND	7.62	4.88	3.71	718-1427-2-ND	500	1535.50	173D476X9035YWe3
50 Volt @ 85°C (33 Volt @ 125°C)												
U	0.10	±10%	0.5	3	718-1449-1-ND	.62	.40	.31	718-1449-2-ND	4,500	249.00/M	173D104X9050UWe3
U	0.22	±10%	0.5	3	718-1442-1-ND	.62	.40	.31	718-1442-2-ND	4,500	249.00/M	173D224X9050UWe3
V	0.47	±10%	0.5	3	718-1412-1-ND	.71	.46	.35	718-1412-2-ND	4,000	287.00/M	173D474X9050VWe3
V	1.0	±10%	0.5	3	718-1447-1-ND	.83	.53	.41	718-1447-2-ND	4,000	334.00/M	173D105X9050VWe3
W	2.2	±10%	0.9	4	718-1439-1-ND	1.34	.86	.65	718-1439-2-ND	2,500	538.00/M	173D225X9050WWe3
X	4.7	±10%	1.9	4	718-1430-1-ND	1.88	1.21	.92	718-1430-2-ND	2,500	758.00/M	173D475X9050XWe3

MICROTAN® Frameless Solid Tantalum Molded Chip Capacitors — 298D Series



Performance Characteristics: • Operating Temperature: -55°C – 85°C (Up to 125°C with voltage deratings)

Features: • 0603 Footprint

Capacitance (µF)	Capacitance Tolerance	Max. DC Leakage @ 25°C (µA)	Max. DF @ 25°C (%)	Max. ESR @ 25°C 100kHz (Ω)	Max. Ripple 100kHz Irms (A)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 4,000	Vishay Part No.
6.3 Volt @ 85°C (4 Volt @ 125°C)												
4.7	±20%	0.5	8	8	0.09	718-1162-1-ND	.93	.63	.50	718-1162-2-ND	375.00/M	298D475X06R3M2T
10	±20%	0.6	8	8	0.09	718-1160-1-ND	1.10	.75	.60	718-1160-2-ND	446.00/M	298D106X06R3M2T
10 Volt @ 85°C (7 Volt @ 125°C)												
4.7	±20%	0.5	6	10	0.08	718-1161-1-ND	.93	.63	.50	718-1161-2-ND	375.00/M	298D475X0010M2T
4.7	±10%	0.5	6	10	0.08	718-1163-1-ND	.93	.63	.50	718-1163-2-ND	375.00/M	298D475X9010M2T
10	±20%	1	8	8	0.08	718-1159-1-ND	1.55	1.05	.84	718-1159-2-ND	630.00/M	298D106X0010M2T
16 Volt @ 85°C (10 Volt @ 125°C)												
1	±20%	0.5	6	20	0.045	718-1157-1-ND	.93	.63	.50	718-1157-2-ND	630.00/M	298D105X0016M2T
1	±10%	0.5	6	20	0.045	718-1158-1-ND	.93	.63	.50	718-1158-2-ND	375.00/M	298D105X9016M2T

**~ Exclusive Preview ~
New Product Available Now!**