

CORNELL DUBILIER Aluminum Electrolytic Capacitors



NEW FROM CDE

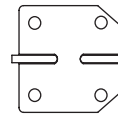
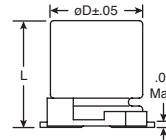
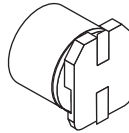
AVE SERIES 85°C ALUMINUM ELECTROLYTICS

- GENERAL PURPOSE

Type AVE capacitors are a great value for filter and bypass applications not requiring wide temperature performance or high ripple current. Their vertical cylindrical cases facilitate automatic mounting and reflow soldering and offer a significant savings over tantalum capacitors. Low inductance.



This product is RoHS compliant.



MOUSER STOCK NO.	CDE Part No.	Value (µF)	Voltage	Operating Temperature	Capacitance Range	Capacitance Tolerance	Case Size (DxL) (mm)	Price Each			Tape & Reel Quantity	Price Per Piece
								1	50	100		
598-AVE104M50B12T-F	AVE104M50B12T-F	0.1	50	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE224M50B12T-F	AVE224M50B12T-F	0.22	50	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE474M50B12T-F	AVE474M50B12T-F	0.47	50	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE105M50B12T-F	AVE105M50B12T-F	1	50	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE225M50B12T-F	AVE225M50B12T-F	2.2	50	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE335M50B12T-F	AVE335M50B12T-F	3.3	50	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE475M25B12T-F	AVE475M25B12T-F	4.7	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE475M35B12T-F	AVE475M35B12T-F	4.7	35	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE106M16A12T-F	AVE106M16A12T-F	10	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	3 x 5.3	.16	.14	.12	2000	.059
598-AVE106M16B12T-F	AVE106M16B12T-F	10	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE106M25C12T-F	AVE106M25C12T-F	10	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	5 x 5.3	.11	.10	.09	1000	.05
598-AVE106M35C12T-F	AVE106M35C12T-F	10	35	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	5 x 5.3	.11	.10	.09	1000	.05
598-AVE226M06B12T-F	AVE226M06B12T-F	22	6.3	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	4 x 5.3	.09	.08	.07	2000	.032
598-AVE226M10C12T-F	AVE226M10C12T-F	22	10	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	5 x 5.3	.13	.11	.10	1000	.06
598-AVE226M16C12T-F	AVE226M16C12T-F	22	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	5 x 5.3	.11	.10	.09	1000	.05
598-AVE226M25D16T-F	AVE226M25D16T-F	22	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	6.3 x 5.3	.13	.11	.10	1000	.06
598-AVE226M35D16T-F	AVE226M35D16T-F	22	35	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	6.3 x 5.3	.13	.11	.10	1000	.06
598-AVE336M16D16T-F	AVE336M16D16T-F	33	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	6.3 x 5.3	.14	.12	.11	1000	.06
598-AVE476M16D16T-F	AVE476M16D16T-F	47	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	6.3 x 5.3	.13	.11	.10	1000	.06
598-AVE476M25E16T-F	AVE476M25E16T-F	47	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 6.5	.24	.21	.19	1000	.11
598-AVE107M06D16T-F	AVE107M06D16T-F	100	6.3	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	6.3 x 5.3	.13	.11	.10	1000	.06
598-AVE107M16E16T-F	AVE107M16E16T-F	100	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 6.5	.24	.21	.19	1000	.11
598-AVE107M25E16T-F	AVE107M25E16T-F	100	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 6.5	.24	.21	.19	1000	.11
598-AVE107M25X16T-F	AVE107M25X16T-F	100	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	6.3 x 7.7	.14	.13	.11	1000	.06
598-AVE107M35F24T-F	AVE107M35F24T-F	100	35	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 10	.31	.27	.24	500	.18
598-AVE227M10E16T-F	AVE227M10E16T-F	220	10	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 6.5	.24	.21	.19	1000	.11
598-AVE227M25F24T-F	AVE227M25F24T-F	220	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 10	.31	.27	.24	500	.18
598-AVE337M10F24T-F	AVE337M10F24T-F	330	10	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 10	.31	.27	.24	500	.18
598-AVE337M16F24T-F	AVE337M16F24T-F	330	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	8 x 10	.31	.27	.24	500	.18
598-AVE337M25G24T-F	AVE337M25G24T-F	330	25	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	10 x 10	.43	.39	.34	500	.26
598-AVE477M10G24T-F	AVE477M10G24T-F	470	10	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	10 x 10	.43	.39	.34	500	.26
598-AVE477M16G24T-F	AVE477M16G24T-F	470	16	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	10 x 10	.43	.39	.34	500	.26
598-AVE108M10G24T-F	AVE108M10G24T-F	1000	10	-40°C to +85°C	0.1µF to 1500µF	±20% @ 120Hz	10 x 10	.46	.41	.37	500	.28

AVEK SERIES 105°C ALUMINUM ELECTROLYTICS - VERY LONG LIFE (5000 HOURS)

Type AVEK Capacitors are rated for 5000 hours at 105°C with low impedance characteristics. They are ideal for high density PC board packaging. The Type AVEK offers a low in-place-cost for a high quality performer. The vertical cylindrical cases facilitate automatic mounting and reflow soldering into the same footprint of like-rated tantalum capacitors except without the need for voltage derating. Type AVEK is RoHS compliant.



MOUSER STOCK NO.	CDE Part No.	Value (µF)	Voltage	Operating Temperature	Capacitance Range	Capacitance Tolerance	Case Size (DxL) (mm)	Price Each			Tape & Reel Quantity	Price Per Piece
								1	50	100		
598-AVEK336M50F24T-F	AVEK336M50F24T-F	33	50	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.36	.32	.29	500	.22
598-AVEK476M35F24T-F	AVEK476M35F24T-F	47	35	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.34	.31	.27	500	.20
598-AVEK476M50F24T-F	AVEK476M50F24T-F	47	50	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.37	.33	.30	500	.22
598-AVEK107M10F24T-F	AVEK107M10F24T-F	100	10	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.33	.30	.26	500	.20
598-AVEK107M16F24T-F	AVEK107M16F24T-F	100	16	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.35	.31	.28	500	.21
598-AVEK107M25F24T-F	AVEK107M25F24T-F	100	25	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.34	.31	.27	500	.20
598-AVEK107M35G24T-F	AVEK107M35G24T-F	100	35	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	10 x 10	.49	.44	.39	500	.29
598-AVEK227M10F24T-F	AVEK227M10F24T-F	220	10	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.34	.30	.27	500	.20
598-AVEK227M16F24T-F	AVEK227M16F24T-F	220	16	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	8 x 10	.35	.31	.28	500	.21
598-AVEK337M10G24T-F	AVEK337M10G24T-F	330	10	-55°C to +105°C	0.1µF to 470µF	±20% @ 120Hz	10 x 10	.49	.44	.39	500	.29

AVES SERIES 105°C ALUMINUM ELECTROLYTICS - LOW PROFILE

Type AVES Capacitors are rated for 1000 hours at 105°C with low impedance characteristics. They are ideal for high density PC board packaging. The Type AVES offers a low in-place-cost for a high quality performer. The vertical cylindrical cases facilitate automatic mounting and reflow soldering into the same footprint of like-rated tantalum capacitors except without the need for voltage derating. Type AVES is RoHS compliant.



MOUSER STOCK NO.	CDE Part No.	Value (µF)	Voltage	Operating Temperature	Capacitance Range	Capacitance Tolerance	Case Size (DxL) (mm)	Price Each			Tape & Reel Quantity	Price Per Piece
								1	50	100		
598-AVES335M50B12T-F	AVES335M50B12T-F	3.3	50	-55°C to +105°C	0.1µF to 100µF	±20% @ 120Hz	4 x 5.3	.15	.13	.12	2000	.055
598-AVES106M10B12T-F	AVES106M10B12T-F	10	10	-55°C to +105°C	0.1µF to 100µF	±20% @ 120Hz	4 x 5.3	.15	.13	.12	2000	.055
598-AVES106M16B12T-F	AVES106M16B12T-F	10	16	-55°C to +105°C	0.1µF to 100µF	±20% @ 120Hz	4 x 5.3	.15	.13	.12	2000	.055
598-AVES106M35C12T-F	AVES106M35C12T-F	10	35	-55°C to +105°C	0.1µF to 100µF	±20% @ 120Hz	5 x 5.3	.17	.15	.13	1000	.07
598-AVES226M35D16T-F	AVES226M35D16T-F	22	35	-55°C to +105°C	0.1µF to 100µF	±20% @ 120Hz	6.3 x 5.3	.18	.16	.14	1000	.08
598-AVES476M16D16T-F	AVES476M16D16T-F	47	16	-55°C to +105°C	0.1µF to 100µF	±20% @ 120Hz	6.3 x 5.3	.17	.15	.14	1000	.08

AVEZ SERIES 105°C ALUMINUM ELECTROLYTICS - LOW IMPEDANCE

Type AVEZ Capacitors are rated for 1000 hours at 105°C with low impedance characteristics. They are ideal for high density PC board packaging. The Type AVEZ offers a low in-place-cost for a high quality performer. The vertical cylindrical cases facilitate automatic mounting and reflow soldering into the same footprint of like-rated tantalum capacitors except without the need for voltage derating. Type AVEZ is RoHS compliant.



MOUSER STOCK NO.	CDE Part No.	Value (µF)	Voltage	Operating Temperature	Capacitance Range	Capacitance Tolerance	Case Size (DxL) (mm)	Price Each			Tape & Reel Quantity	Price Per Piece
								1	50	100		
598-AVEZ336M50X16T-F	AVEZ336M50X16T-F	33	50	-55°C to +105°C	0.1µF to 220µF	±20% @ 120Hz	6.3 x 7.7	.20	.18	.16	1000	.09
598-AVEZ476M35X16T-F	AVEZ476M35X16T-F	47	35	-55°C to +105°C	0.1µF to 220µF	±20% @ 120Hz	6.3 x 7.7	.20	.18	.16	1000	.09
598-AVEZ107M16D16T-F	AVEZ107M16D16T-F	100	16	-55°C to +105°C	0.1µF to 220µF	±20% @ 120Hz	6.3 x 5.3	.18	.16	.14	1000	.08

AVRF SERIES 105°C ALUMINUM ELECTROLYTICS - LOWEST E.S.R., ULTRA-LOW IMPEDANCE

Type AVRF Capacitors are the best and by a wide margin. With 40% to 60% lower impedance, 30% to 50% smaller case size and more than twice the life compared to low-ESR type AFC, the Type AVRF also excels at cold performance down to -55°C. In addition, this terrific low-impedance performance, approaching low-ESR tantalum capacitors, is at a significant cost savings compared to tantalum. The vertical cylindrical cases facilitate automatic mounting and reflow soldering into the same footprint of like-rated tantalum capacitors except without the need for voltage derating.



MOUSER STOCK NO.	CDE Part No.	Value (µF)	Voltage	Operating Temperature	Capacitance Range	Capacitance Tolerance	Case Size (DxL) (mm)	Price Each			Tape & Reel Quantity	Price Per Piece
								1	50	100		
598-AVRF106M25B12T-F	AVRF106M25B12T-F	10	25	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	4 x 5.4	.26	.23	.21	2000	.099
598-AVRF106M35C12T-F	AVRF106M35C12T-F	10	35	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	5 x 5.4	.26	.23	.21	1000	.12
598-AVRF226M16B12T-F	AVRF226M16B12T-F	22	16	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	4 x 5.4	.26	.23	.21	2000	.099
598-AVRF336M10B12T-F	AVRF336M10B12T-F	33	10	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	4 x 5.4	.26	.23	.21	2000	.099
598-AVRF336M25D16T-F	AVRF336M25D16T-F	33	25	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	6.3 x 5.4	.34	.30	.27	1000	.15
598-AVRF476M06B12T-F	AVRF476M06B12T-F	47	6.3	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	4 x 5.4	.26	.23	.21	2000	.099
598-AVRF476M16C12T-F	AVRF476M16C12T-F	47	16	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	5 x 5.4	.30	.27	.24	1000	.14
598-AVRF476M25D16T-F	AVRF476M25D16T-F	47	25	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	6.3 x 5.4	.34	.30	.27	1000	.15
598-AVRF476M35F24T-F	AVRF476M35F24T-F	47	35	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	8 x 10.2	.45	.41	.36	500	.27
598-AVRF686M16D16T-F	AVRF686M16D16T-F	68	16	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	6.3 x 5.4	.34	.30	.27	1000	.15
598-AVRF107M06C12T-F	AVRF107M06C12T-F	100	6.3	-55°C to +105°C	4.7µF to 1500µF	±20% @ 120Hz	5 x 5.4	.30	.27	.24	1000	.14
598-AVRF107M35F24T-F	AVRF107M35F24T-F</											