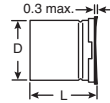
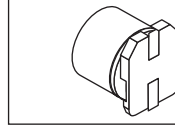


CORNELL DUBILIER Aluminum Electrolytic Capacitors



Cross Reference			
CDE	NIC	Tecate	Panasonic
AFK	NACK	MXZZ	EEV-FK
AVS	NACE	MXM	ECE-V

RoHS Compliant This product is RoHS compliant.



Application Note:

- A higher voltage capacitor may be used in a lower voltage application.



AVS SERIES 85°C ALUMINUM ELECTROLYTICS

Features:

- Best value for filter and bypass applications not requiring wide temperature or high ripple current
- AVS series offers significant cost savings over tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:

- Capacitance tolerance: ±20%
- Temperature range: -40°C to +85°C

- Load life: 2000 hours @ 85°C
- Capacitance range: 0.1µF to 1000µF
- Voltage range: 10VDC to 100VDC



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (µF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/120Hz	Ripple (mA rms) 85°C/120Hz	Price Each				Tape and Reel	
						1	50	100	500	Qty.	Price Ea.
10 Volt											
5985-AVS10V1000-F	AVS108M10G24T-F	1,000	10 x 10.2	0.43	580	.58	.50	.43	.36	500	.36
16 Volt											
5985-AVS16V10A-F	AVS106M16A12T-F	10	3 x 5.4	29.9	20	.20	.17	.15	.13	2000	.089
5985-AVS16V10-F	AVS106M16B12T-F	10	4 x 5.4	26.5	28	.17	.15	.13	.11	2000	.073
5985-AVS16V22-F	AVS226M16B12T-F	22	4 x 5.4	19.6	28	.19	.16	.14	.12	2000	.083
5985-AVS16V33-F	AVS336M16C12T-F	33	5 x 5.4	13.1	35	.21	.19	.16	.14	1000	.106
5985-AVS16V47-F	AVS476M16C12T-F	47	5 x 5.4	9.2	39	.21	.19	.16	.14	1000	.106
5985-AVS16V100-F	AVS107M16D16T-F	100	6.3 x 5.4	4.3	70	.27	.24	.20	.16	1000	.126
5985-AVS16V220-F	AVS227M16F24T-F	220	8 x 10.2	1.5	280	.49	.43	.37	.30	500	.30
5985-AVS16V330-F	AVS337M16F24T-F	330	8 x 10.2	1	320	.49	.43	.37	.30	500	.30
5985-AVS16V470-F	AVS477M16G24T-F	470	10 x 10.2	0.71	420	.58	.50	.43	.36	500	.36
25 Volt											
5985-AVS25V10-F	AVS106M25C12T-F	10	5 x 5.4	23.2	28	.20	.17	.15	.13	1000	.098
5985-AVS25V100-F	AVS107M25E16T-F	100	8 x 6.2	2.7	91	.38	.34	.29	.24	1000	.19
5985-AVS25V220-F	AVS227M25F24T-F	220	8 x 10.2	1.2	140	.53	.46	.40	.34	500	.34
5985-AVS25V470-F	AVS477M25G24T-F	470	10 x 10.2	0.6	360	.63	.56	.47	.40	500	.40
35 Volt											
5985-AVS35V4.7-F	AVS475M35B12T-F	4.7	4 x 5.4	42.4	22	.20	.17	.15	.13	2000	.082
5985-AVS35V10-F	AVS106M35C12T-F	10	5 x 5.4	19.9	30	.20	.17	.15	.13	1000	.098
5985-AVS35V22-F	AVS226M35D16T-F	22	6.3 x 5.4	9.1	60	.23	.20	.18	.15	1000	.116
50 Volt											
5985-AVS50V0.1-F	AVS104M50B12T-F	0.1	4 x 5.4	1990	1	.17	.15	.13	.11	2000	.073
5985-AVS50V1.0-F	AVS105M50B12T-F	1	4 x 5.4	199	10	.17	.15	.13	.11	2000	.073
5985-AVS50V2.2-F	AVS225M50B12T-F	2.2	4 x 5.4	90.5	16	.17	.15	.13	.11	2000	.073
5985-AVS50V3.3-F	AVS335M50B12T-F	3.3	4 x 5.4	60.3	16	.17	.15	.13	.11	2000	.073
5985-AVS50V22-F	AVS226M50D16T-F	22	6.3 x 5.4	10.6	60	.27	.24	.20	.16	1000	.126



AFK SERIES 105°C ALUMINUM ELECTROLYTIC, LOW ESR, SMD

Features:

- Up to a 5000 hour load life capability
- Offers lowest ESR and long life for filtering, bypassing, and power supply decoupling
- With the low impedance performance approaching low ESR tantalum capacitors offers a significant cost savings compared to tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:

- Capacitance tolerance: ±20%
- Temperature range: -55°C to +105°C
- Capacitance range: 3.3µF to 6800µF

- Voltage range: 6.3VDC to 100VDC
- Load life: 2000 hours @ +105°C (4.0-10mm dia) 5000 hours @ +105°C (12.5-18mm dia)



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (µF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Price Each				Tape and Reel	
						1	50	100	500	Qty.	Price Ea.
6.3 Volt											
5985-AFK6.3V47-F	AFK476M06B12T-F	47	4 x 5.8	1.35	90	.38	.28	.19	.14	2000	.115
5985-AFK6.3V100-F	AFK107M06D16T-F	100	6.3 x 5.8	0.36	240	.50	.38	.25	.19	1000	.167
5985-AFK6.3V330-F	AFK337M06E16T-F	330	8 x 6.2	0.26	300	.83	.62	.41	.30	1000	.283
10 Volt											
5985-AFK10V33-F	AFK336M10B12T-F	33	4 x 5.8	1.35	90	.38	.26	.19	.14	2000	.115
5985-AFK10V220-F	AFK227M10E16T-F	220	8 x 6.2	0.26	300	.83	.62	.41	.30	1000	.283
5985-AFK10V330-F	AFK337M10F24T-F	330	8 x 10.2	0.16	600	1.07	.80	.53	.40	500	.40
5985-AFK10V1000-F	AFK108M10G24T-F	1000	10 x 10.2	0.08	850	1.25	.93	.63	.46	500	.46
16 Volt											
5985-AFK16V22-F	AFK226M16B12T-F	22	4 x 5.8	1.35	90	.38	.28	.19	.14	2000	.115
5985-AFK16V47-F	AFK476M16D16T-F	47	6.3 x 5.8	0.36	240	.50	.35	.25	.19	1000	.167
5985-AFK16V100-F	AFK107M16D16T-F	100	6.3 x 5.8	0.36	240	.50	.35	.25	.19	1000	.167
5985-AFK16V470-F	AFK477M16F24T-F	470	8 x 10.2	0.16	600	1.07	.80	.53	.40	500	.40
5985-AFK16V680-F	AFK687M16G24T-F	680	10 x 10.2	0.08	850	1.25	.93	.63	.46	500	.46
25 Volt											
5985-AFK25V10-F	AFK106M25B12T-F	10	4 x 5.8	1.35	90	.38	.28	.19	.14	2000	.115
5985-AFK25V33-F	AFK336M25C12T-F	33	5 x 5.8	0.7	160	.44	.33	.22	.16	1000	.147
5985-AFK25V100-F	AFK107M25E16T-F	100	8 x 6.2	0.26	300	.83	.62	.41	.30	1000	.283
5985-AFK25V220-F	AFK227M25F24T-F	220	8 x 10.2	0.16	600	1.07	.80	.53	.40	500	.40
5985-AFK25V470-F	AFK477M25G24T-F	470	10 x 10.2	0.08	850	1.25	.93	.63	.46	500	.46
5985-AFK25V1000-F	AFK108M25H32T-F	1000	12.5 x 13.5	0.06	1100	2.05	1.54	1.02	-	200	.76
35 Volt											
5985-AFK35V10-F	AFK106M35B12T-F	10	4 x 5.8	1.35	90	.38	.28	.19	.14	2000	.115
5985-AFK35V47-F	AFK476M35D16T-F	47	6.3 x 5.8	0.36	240	.50	.38	.25	.19	1000	.167
5985-AFK35V220-F	AFK227M35F24T-F	220	8 x 10.2	0.16	600	1.07	.80	.54	.40	500	.40
5985-AFK35V470-F	AFK477M35H32T-F	470	12.5 x 13.5	0.06	1100	2.05	1.54	1.02	-	200	.76
50 Volt											
5985-AFK50V4.7-F	AFK475M50B12T-F	4.7	4 x 5.8	2.9	60	.40	.29	.20	.15	2000	.126
5985-AFK50V10-F	AFK106M50C12T-F	10	5 x 5.8	1.52	85	.46	.35	.23	.17	1000	.158
5985-AFK50V47-F	AFK476M50E16T-F	47	8 x 6.2	0.68	195	.87	.65	.43	.33	1000	.294
5985-AFK50V100-F	AFK107M50F24T-F	100	8 x 10.2	0.34	350	1.12	.84	.56	.41	500	.41
5985-AFK50V220-F	AFK227M50G24T-F	220	10 x 10.2	0.18	670	1.31	.98	.65	.48	500	.48
5985-AFK50V1000-F	AFK108M50P44T-F	1000	16 x 16.5	0.073	1610	3.39	2.54	-	-	125	1.69
63 Volt											
5985-AFK63V100-F	AFK107M63G24T-F	100	10 x 10.2	0.35	400	1.32	.98	.65	.48	500	.48
5985-AFK63V220-F	AFK227M63H32T-F	220	12.5 x 13.5	0.16	800	2.14	1.60	1.07	-	200	.79
100 Volt											
5985-AFK100V22-F	AFK226M2AF24T-F	22	8 x 10.2	1.3	130	1.12	.84	.56	.41	500	.41
5985-AFK100V68-F	AFK686M2AH32T-F	68	12.5 x 13.5	0.32	500	2.14	1.60	1.07	-	200	.79

