

Type AFK -55°C to 105°C

SMT Aluminum Electrolytic Capacitors - Lowest E.S.R., 105°C

Low Impedance and Long-Life for Filtering, Bypassing and Power Supply Decoupling



Type AFK 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 AFK 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.

Highlights

- $+105^{\circ}\text{C}$, Up to 5000 Hour Load Life
- Capacitance Range: $3.3\ \mu\text{F}$ to $6800\ \mu\text{F}$
- Voltage Range: 6.3 Vdc to 100 Vdc

Specifications

Operating Temperature: -55°C to $+105^{\circ}\text{C}$
Rated Voltage: 6.3, 10, 16, 25, 35, 50, 63, 80 & 100 Vdc
Capacitance: $3.3\ \mu\text{F}$ to $6800\ \mu\text{F}$
Capacitance Tolerance: $\pm 20\%$ @ 120 Hz and $+20^{\circ}\text{C}$
Leakage Current: 0.01 CV or $3\ \mu\text{A}$ @ $+20^{\circ}\text{C}$, after two minutes (whichever is greater)

Ripple Current Multiplier:

Frequency	50/60 Hz	120 Hz	1 kHz	10 kHz	100 kHz
	0.70	0.75	0.90	0.95	1.00

Dissipation Factor:

6.3V	10 V	16 V	25 V	35 V	50 V	63 V	80 V	100 V
0.26	0.19	0.16	0.14	0.12	0.1	0.08	0.08	0.07

Add 0.02 per 1000 μF for values greater than 1000

Life Test: 2000 h @ 105°C , 4.0 — 10.0 mm dia.
5000 h @ 105°C , 12.5 — 18.0 mm dia.

Δ Capacitance $\pm 30\%$

DF: $\leq 200\%$ of limit

DCL: $\leq 100\%$ of limit

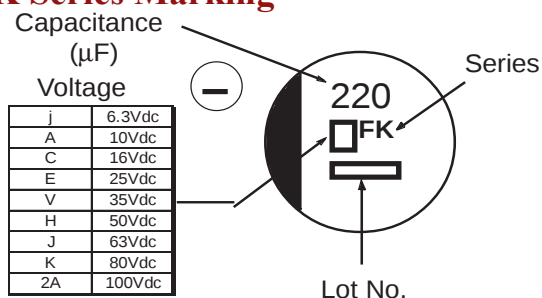
Shelf Test: 1000 h @ 105°C

Δ Capacitance $\pm 30\%$

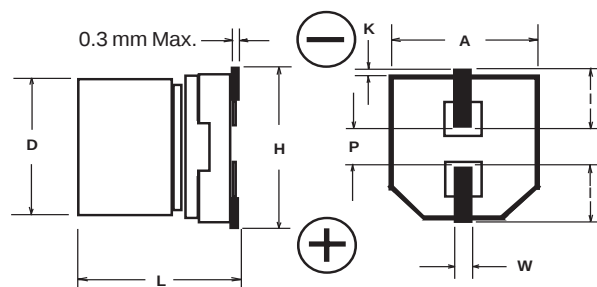
DF: $\leq 200\%$ of limit

DCL: $\leq 100\%$ of limit

AFK Series Marking



Outline Drawing



Case Dimensions

Case Code	D ± 0.5	L	A ± 0.2	H (max)	I (ref)	W	P (ref)	K (mm)
B	4.0	5.8 ± 0.3	4.3	5.5	1.8	0.65 ± 0.1	1.0	$0.35 + 0.15/-0.20$
C	5.0	5.8 ± 0.3	5.3	6.5	2.2	0.65 ± 0.1	1.5	$0.35 + 0.15/-0.20$
D	6.3	5.8 ± 0.3	6.6	7.8	2.6	0.65 ± 0.1	1.8	$0.35 + 0.15/-0.20$
X	6.3	7.9 ± 0.3	6.6	7.8	2.6	0.65 ± 0.1	1.8	$0.35 + 0.15/-0.20$
E	8.0	6.2 ± 0.3	8.3	9.5	3.4	0.65 ± 0.1	2.2	$0.35 + 0.15/-0.20$
F	8.0	10.2 ± 0.3	8.3	10.0	3.4	0.90 ± 0.2	3.1	0.70 ± 0.20
G	10.0	10.2 ± 0.3	10.3	12.0	3.5	0.90 ± 0.2	4.6	0.70 ± 0.20
H	12.5	13.5 ± 0.5	13.5	15.0	4.7	0.90 ± 0.3	4.4	0.70 ± 0.30
P	16.0	16.5 ± 0.5	17.0	19.0	5.5	1.2 ± 0.3	6.7	0.70 ± 0.30
R	18.0	16.5 ± 0.5	19.0	21.0	6.7	1.2 ± 0.3	6.7	0.70 ± 0.30

Type AFK -55 °C to 105 °C

SMT Aluminum Electrolytic Capacitors - Lowest E.S.R., 105 °C

Ratings Table

Cap (µF)	Catalog Part Number	Max. DCL 2 min (µA)	Max. Dissipation Factor @120 Hz/20 °C	Max. ESR @100 kHz/20 °C (Ω)	Impedance @ 100 kHz/20 °C (Ω)	Max. Ripple Current @ 100 kHz/105 °C (mA)	Case Code	Size D x L (mm)	Quantity per Reel
6.3 Vdc (8 Vdc Surge)									
22	AFK226M06B12T	3.0	0.26	1.350	1.350	90	B	4 x 5.8	2000
47	AFK476M06B12T	3.0	0.26	1.350	1.350	90	B	4 x 5.8	2000
47	AFK476M06C12T	3.0	0.26	0.700	0.700	160	C	5 x 5.8	1000
100	AFK107M06C12T	6.3	0.26	0.700	0.700	160	C	5 x 5.8	1000
100	AFK107M06D16T	6.3	0.26	0.360	0.360	240	D	6.3 x 5.8	1000
220	AFK227M06D16T	13.9	0.26	0.360	0.360	240	D	6.3 x 5.8	1000
330	AFK337M06X16T	20.8	0.26	0.340	0.340	280	X	6.3 x 7.7	900
330	AFK337M06E16T	20.8	0.26	0.260	0.260	300	E	8 x 6.2	1000
470	AFK477M06F24T	29.6	0.26	0.160	0.160	600	F	8 x 10.2	500
1000	AFK108M06F24T	63.0	0.26	0.160	0.160	600	F	8 x 10.2	500
1500	AFK158M06G24T	94.5	0.26	0.080	0.080	850	G	10 x 10.2	500
3300	AFK338M06H32T	207.9	0.30	0.060	0.060	1100	H	12.5 x 13.5	200
6800	AFK688M06P44T	428.4	0.36	0.035	0.035	1800	P	16 x 16.5	125
10 Vdc (13 Vdc Surge)									
22	AFK226M10B12T	3.0	0.19	1.350	1.350	90	B	4 x 5.8	2000
33	AFK336M10B12T	3.3	0.19	1.350	1.350	90	B	4 x 5.8	2000
33	AFK336M10C12T	3.3	0.19	0.700	0.700	160	C	5 x 5.8	1000
150	AFK157M10D16T	15.0	0.19	0.360	0.360	240	D	6.3 x 5.8	1000
220	AFK227M10X16T	22.0	0.19	0.340	0.340	280	X	6.3 x 7.7	900
220	AFK227M10E16T	22.0	0.19	0.260	0.260	300	E	8 x 6.2	1000
330	AFK337M10F24T	33.0	0.19	0.160	0.160	600	F	8 x 10.2	500
470	AFK477M10F24T	47.0	0.19	0.160	0.160	600	F	8 x 10.2	500
680	AFK687M10F24T	68.0	0.19	0.160	0.160	600	F	8 x 10.2	500
1000	AFK108M10G24T	100.0	0.19	0.080	0.080	850	G	10 x 10.2	500
2200	AFK228M10H32T	220.0	0.21	0.060	0.060	1100	H	12.5 x 13.5	200
4700	AFK478M10P44T	470.0	0.25	0.035	0.035	1800	P	16 x 16.5	125
6800	AFK688M10R44T	680.0	0.29	0.033	0.033	2060	R	18 x 16.5	125
16 Vdc (20 Vdc Surge)									
10	AFK106M16B12T	3.0	0.16	1.350	1.350	90	B	4 x 5.8	2000
22	AFK226M16B12T	3.5	0.16	1.350	1.350	90	B	4 x 5.8	2000
22	AFK226M16C12T	3.5	0.16	0.700	0.700	160	C	5 x 5.8	1000
47	AFK476M16C12T	7.5	0.16	0.700	0.700	160	C	5 x 5.8	1000
47	AFK476M16D16T	7.5	0.16	0.360	0.360	240	D	6.3 x 5.8	1000
68	AFK686M16D16T	10.9	0.19	0.360	0.360	240	D	6.3 x 5.8	1000
100	AFK107M16D16T	16.0	0.16	0.360	0.360	240	D	6.3 x 5.8	1000
150	AFK157M16X16T	24.0	0.16	0.340	0.340	280	X	6.3 x 7.7	900
220	AFK227M16X16T	35.2	0.16	0.340	0.340	280	X	6.3 x 7.7	900
220	AFK227M16E16T	35.2	0.16	0.260	0.260	300	E	8 x 6.2	1000
330	AFK337M16F24T	52.8	0.16	0.160	0.160	600	F	8 x 10.2	500
470	AFK477M16F24T	75.2	0.16	0.160	0.160	600	F	8 x 10.2	500
680	AFK687M16G24T	108.8	0.16	0.080	0.080	850	G	10 x 10.2	500
1500	AFK158M16H32T	240.0	0.16	0.060	0.060	1100	H	12.5 x 13.5	200
3300	AFK338M16P44T	528.0	0.20	0.035	0.035	1800	P	16 x 16.5	125
4700	AFK478M16R44T	752.0	0.22	0.033	0.033	2060	R	18 x 16.5	125

Type AFK –55 °C to 105 °C

SMT Aluminum Electrolytic Capacitors - Lowest E.S.R., 105 °C

Cap (µF)	Catalog Part Number	Max. DCL 2 min (µA)	Max. Dissipation Factor @120 Hz/20 °C	Max. ESR @100 kHz/20 °C (Ω)	Impedance @ 100 kHz/20 °C (Ω)	Max. Ripple Current @ 100 kHz/105 °C (mA)	Case Code	Size D x L (mm)	Quantity per Reel
25 Vdc (31 Vdc Surge)									
10	AFK106M25B12T	3.0	0.14	1.350	1.350	90	B	4 x 5.8	2000
22	AFK226M25C12T	5.5	0.14	0.700	0.700	160	C	5 x 5.8	1000
33	AFK336M25C12T	8.3	0.14	0.700	0.700	160	C	5 x 5.8	1000
33	AFK336M25D16T	8.3	0.14	0.360	0.360	240	D	6.3 x 5.8	1000
47	AFK476M25D16T	11.8	0.14	0.360	0.360	240	D	6.3 x 5.8	1000
68	AFK686M25D16T	17.0	0.14	0.360	0.360	240	D	6.3 x 5.8	1000
100	AFK107M25X16T	25.0	0.14	0.340	0.340	280	X	6.3 x 7.7	900
100	AFK107M25E16T	25.0	0.14	0.260	0.260	300	E	8 x 6.2	1000
150	AFK157M25F24T	37.5	0.14	0.160	0.160	600	F	8 x 10.2	500
220	AFK227M25F24T	55.0	0.14	0.160	0.160	600	F	8 x 10.2	500
330	AFK337M25F24T	82.5	0.14	0.160	0.160	600	F	8 x 10.2	500
470	AFK477M25G24T	117.5	0.14	0.080	0.080	850	G	10 x 10.2	500
1000	AFK108M25H32T	250.0	0.14	0.060	0.060	1100	H	12.5 x 13.5	200
1500	AFK158M25P44T	375.0	0.14	0.035	0.035	1800	P	16 x 16.5	125
2200	AFK228M25P44T	550.0	0.16	0.035	0.035	1800	P	16 x 16.5	125
3300	AFK338M25R44T	825.0	0.18	0.033	0.033	2060	R	18 x 16.5	125
35 Vdc (44 Vdc Surge)									
4.7	AFK475M35B12T	3.0	0.12	1.350	1.350	90	B	4 x 5.8	2000
10	AFK106M35B12T	3.5	0.12	1.350	1.350	90	B	4 x 5.8	2000
10	AFK106M35C12T	3.5	0.12	0.700	0.700	160	C	5 x 5.8	1000
22	AFK226M35C12T	7.7	0.12	0.700	0.700	160	C	5 x 5.8	1000
33	AFK336M35D16T	11.6	0.12	0.360	0.360	240	D	6.3 x 5.8	1000
47	AFK476M35D16T	16.5	0.12	0.360	0.360	240	D	6.3 x 5.8	1000
68	AFK686M35X16T	23.8	0.12	0.340	0.340	280	X	6.3 x 7.7	900
100	AFK107M35X16T	35.0	0.12	0.340	0.340	280	X	6.3 x 7.7	900
100	AFK107M35F24T	35.0	0.12	0.160	0.160	600	F	8 x 10.2	500
150	AFK157M35F24T	52.5	0.12	0.160	0.160	600	F	8 x 10.2	500
220	AFK227M35F24T	77.0	0.12	0.160	0.160	600	F	8 x 10.2	500
330	AFK337M35G24T	115.5	0.12	0.080	0.080	850	G	10 x 10.2	500
470	AFK477M35H32T	164.5	0.12	0.060	0.060	1100	H	12.5 x 13.5	200
680	AFK687M35H32T	238.0	0.12	0.060	0.060	1100	H	12.5 x 13.5	200
1000	AFK108M35P44T	350.0	0.12	0.035	0.035	1800	P	16 x 16.5	125
1500	AFK158M35P44T	525.0	0.12	0.035	0.035	1800	P	16 x 16.5	125
50 Vdc (63 Vdc Surge)									
4.7	AFK475M50B12T	3.0	0.10	2.900	2.900	60	B	4 x 5.8	2000
10	AFK106M50C12T	5.0	0.10	1.520	1.520	85	C	5 x 5.8	1000
10	AFK106M50D16T	5.0	0.10	0.880	0.880	165	D	6.3 x 5.8	1000
22	AFK226M50D16T	11.0	0.10	0.880	0.880	165	D	6.3 x 5.8	1000
33	AFK336M50X16T	16.5	0.10	0.680	0.680	195	X	6.3 x 7.7	900
33	AFK336M50E16T	16.5	0.10	0.680	0.680	195	E	8 x 6.2	1000
47	AFK476M50X16T	23.5	0.10	0.680	0.680	195	X	6.3 x 7.7	900
47	AFK476M50E16T	23.5	0.10	0.680	0.680	195	E	8 x 6.2	1000
100	AFK107M50F24T	50.0	0.10	0.340	0.340	350	F	8 x 10.2	500

Type AFK -55 °C to 105 °C

SMT Aluminum Electrolytic Capacitors - Lowest E.S.R., 105 °C

Cap (µF)	Catalog Part Number	Max. DCL 2 min (µA)	Max. Dissipation Factor @120 Hz/20 °C	Max. ESR @100 kHz/20 °C (Ω)	Impedance @ 100 kHz/20 °C (Ω)	Max. Ripple Current @ 100 kHz/105 °C (mA)	Case Code	Size D x L (mm)	Quantity per Reel
50 Vdc (63 Vdc Surge)									
150	AFK157M50G24T	75.0	0.10	0.180	0.180	670	G	10 x 10.2	500
220	AFK227M50G24T	110.0	0.10	0.180	0.180	670	G	10 x 10.2	500
330	AFK337M50H32T	165.0	0.10	0.120	0.120	900	H	12.5 x 13.5	200
390	AFK397M50H32T	195.0	0.10	0.120	0.120	900	H	12.5 x 13.6	200
470	AFK477M50P44T	235.0	0.10	0.073	0.073	1610	P	16 x 16.5	125
560	AFK567M50P44T	280.0	0.10	0.073	0.073	1610	P	16 x 16.5	125
680	AFK687M50P44T	340.0	0.10	0.073	0.073	1610	P	16 x 16.5	125
1000	AFK108M50P44T	500.0	0.10	0.073	0.073	1610	P	16 x 16.5	125
63 Vdc (75 Vdc Surge)									
4.7	AFK475M63C12T	3.0	0.08	3.000	3.000	50	C	5 x 5.8	1000
10	AFK106M63D16T	6.3	0.08	1.500	1.500	80	D	6.3 x 5.8	1000
22	AFK226M63X16T	13.9	0.08	1.200	1.200	120	X	6.3 x 7.7	900
22	AFK226M63E16T	13.9	0.08	1.200	1.200	120	E	8 x 6.2	1000
33	AFK336M63F24T	20.8	0.08	0.650	0.650	250	F	8 x 10.2	500
47	AFK476M63F24T	29.6	0.08	0.650	0.650	250	F	8 x 10.2	500
68	AFK686M63G24T	42.8	0.08	0.350	0.350	400	G	10 x 10.2	500
100	AFK107M63G24T	63.0	0.08	0.350	0.350	400	G	10 x 10.2	500
150	AFK157M63H32T	94.5	0.08	0.160	0.160	800	H	12.5 x 13.5	200
220	AFK227M63H32T	138.6	0.08	0.160	0.160	800	H	12.5 x 13.5	200
470	AFK477M63P44T	296.1	0.08	0.082	0.082	1410	P	16 x 16.5	125
680	AFK687M63R44T	428.4	0.08	0.080	0.080	1690	R	18 x 16.5	125
80 Vdc (100 Vdc Surge)									
3.3	AFK335M80C12T	3.0	0.08	5.00	5.00	25	C	5 x 5.8	1000
4.7	AFK475M80D16T	3.8	0.08	3.00	3.00	40	D	6.3 x 5.8	1000
10.0	AFK106M80X16T	8.0	0.08	2.40	2.40	60	X	6.3 x 7.7	900
10.0	AFK106M80E16T	8.0	0.08	2.40	2.40	60	E	8 x 6.2	1000
22.0	AFK226M80F24T	17.6	0.08	1.30	1.30	130	F	8 x 10.2	500
33.0	AFK336M80F24T	26.4	0.08	1.30	1.30	130	F	8 x 10.2	500
47.0	AFK476M80G24T	37.6	0.08	0.70	0.70	200	G	10 x 10.2	500
68.0	AFK686M80H32T	54.4	0.08	0.32	0.32	500	H	12.5 x 13.5	200
100.0	AFK107M80H32T	80.0	0.08	0.32	0.32	500	H	12.5 x 13.5	200
150.0	AFK157M80H32T	120.0	0.08	0.32	0.32	500	H	12.5 x 13.5	200
330.0	AFK337M80P44T	264.0	0.08	0.17	0.17	793	P	16 x 16.5	125
470.0	AFK477M80R44T	376.0	0.08	0.15	0.15	917	R	18 x 16.5	125
100 Vdc (125 Vdc Surge)									
22.0	AFK226M2AF24T	22.0	0.07	1.30	1.30	130	F	8 x 10.2	500
33.0	AFK336M2AG24T	33.0	0.07	0.70	0.70	200	G	10 x 10.2	500
47.0	AFK476M2AH32T	47.0	0.07	0.32	0.32	500	H	12.5 x 13.5	200
68.0	AFK686M2AH32T	68.0	0.07	0.32	0.32	500	H	12.5 x 13.5	200
100.0	AFK107M2AP44T	100.0	0.07	0.17	0.17	793	P	16 x 16.5	125
150.0	AFK157M2AP44T	150.0	0.07	0.17	0.17	793	P	16 x 16.5	125
220.0	AFK227M2AR44T	220.0	0.07	0.15	0.15	917	R	18 x 16.5	125
330.0	AFK337M2AR44T	330.0	0.07	0.15	0.15	917	R	18 x 16.5	125

Type AFK -55 °C to 105 °C

SMT Aluminum Electrolytic Capacitors - Lowest E.S.R., 105 °C

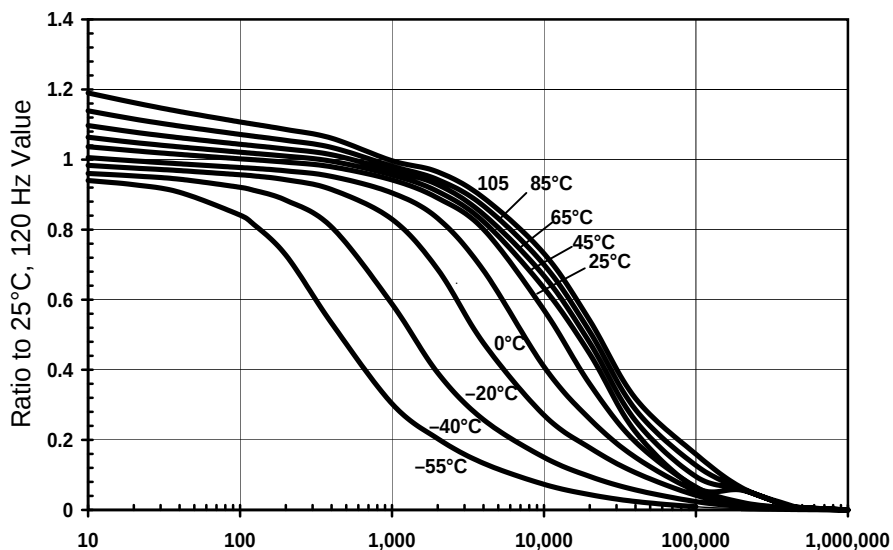
Part Numbering System

AFK	106	M	16	B	12T	-F
Type	Capacitance	Capacitance	Voltage Code	Case Code	Packaging Code	RoHS Compliant
105 = 1.0 μ F	Tolerance	06 = 6.3 Vdc	35 = 35 Vdc	12 = Carrier tape		
106 = 10.0 μ F	M = $\pm$ 20%	10 = 10 Vdc	50 = 50 Vdc	Width (mm)		
107 = 100.0 μ F		16 = 16 Vdc	63 = 63 Vdc	T = Tape & Reel		
108 = 1000.0 μ F		25 = 25 Vdc	80 = 80 Vdc	B = Bulk		
			2A = 100 Vdc			

Typical Performance Curves

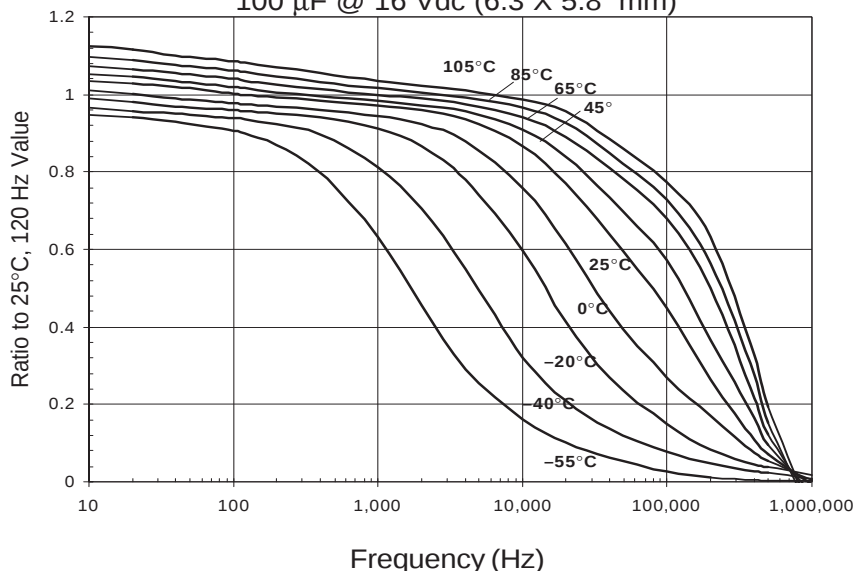
Capacitance vs. Temperature and Frequency

3300 μ F/6.3Vdc (12.5 x 13.5 mm)



Capacitance vs. Temperature & Frequency

100 μ F @ 16 Vdc (6.3 X 5.8 mm)

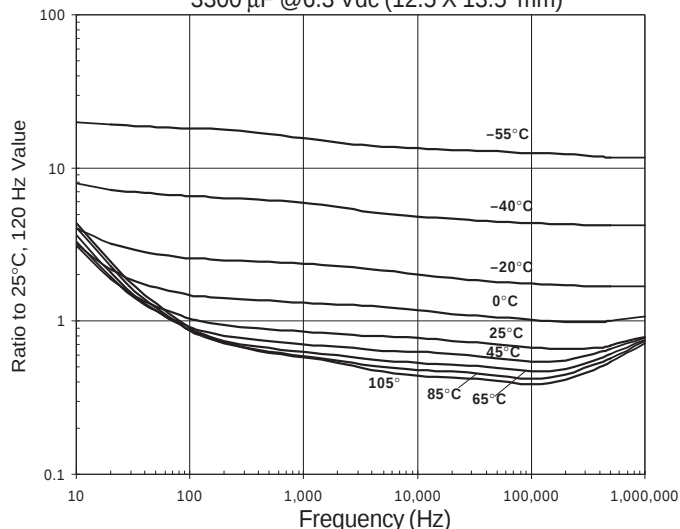


Type AFK -55°C to 105°C

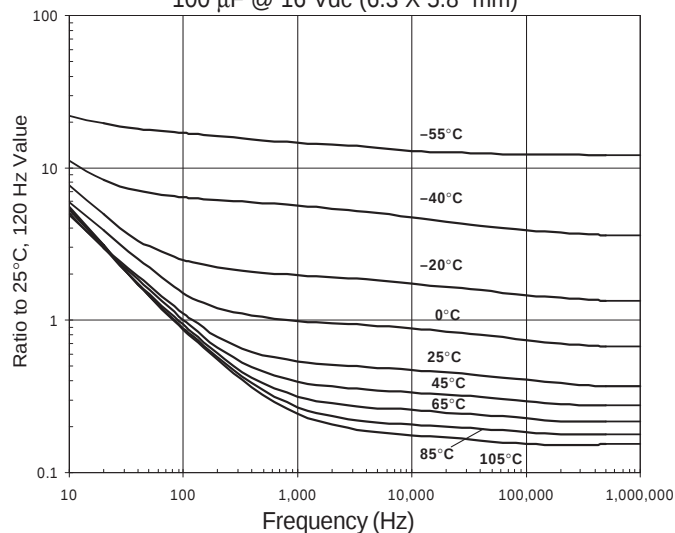
SMT Aluminum Electrolytic Capacitors - Lowest E.S.R., 105°C

Typical Performance Curves

ESR vs. Temperature and Frequency
3300 μF @ 6.3 Vdc (12.5 X 13.5 mm)

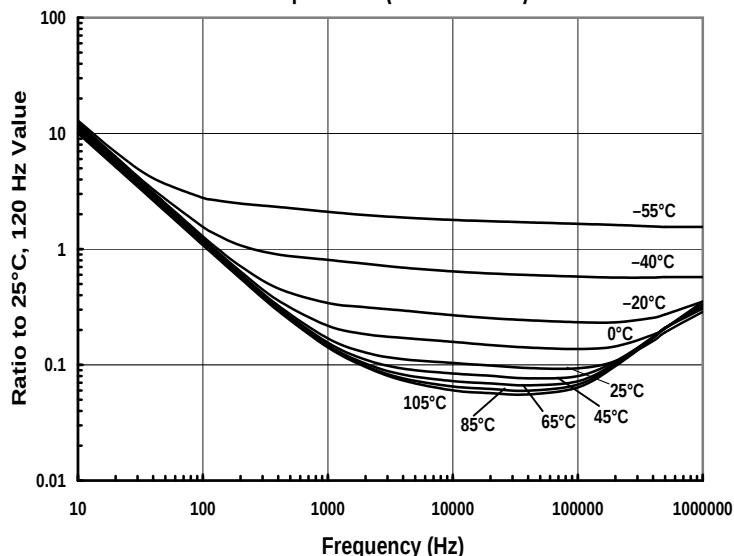


ESR vs. Temperature and Frequency
100 μF @ 16 Vdc (6.3 X 5.8 mm)



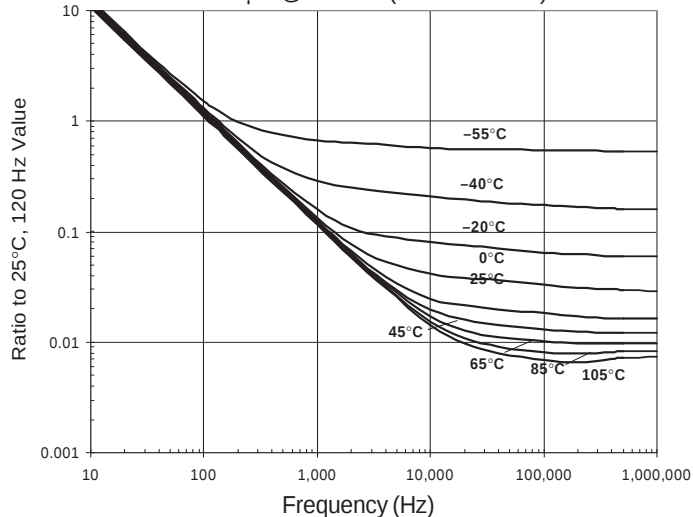
Impedance vs. Temperature and Frequency

3300 μF / 6.3 V (12.5 x 13.5mm)

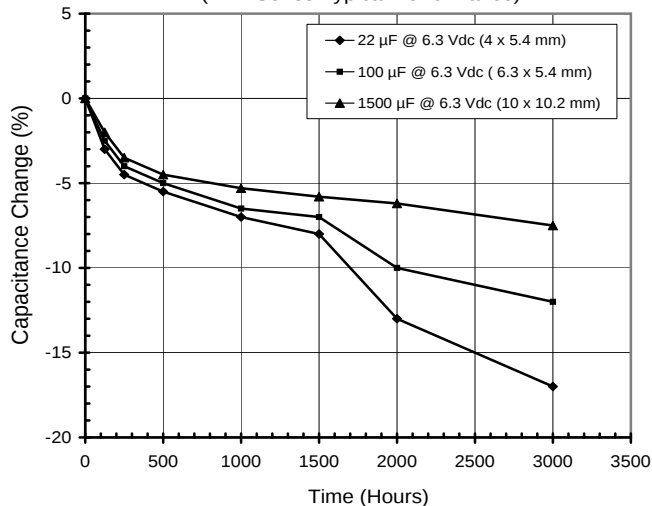


Impedance vs. Temperature and Frequency

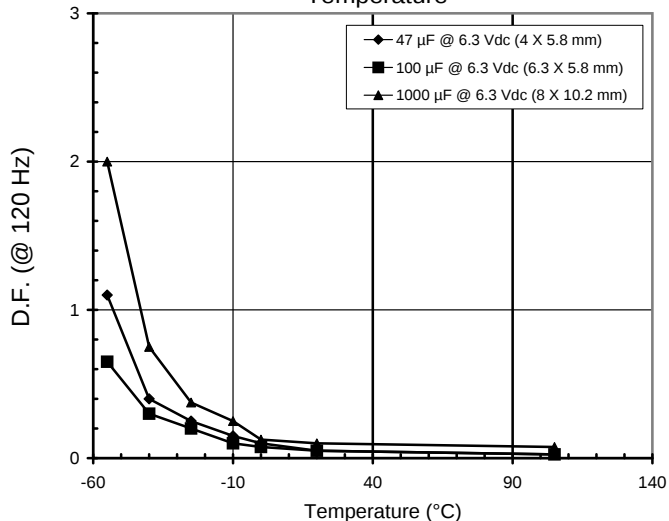
100 μF @ 16 Vdc (6.3 X 5.8 mm)



Capacitance Change vs. Time
(AFK Series Typical Performance)



Dissipation Factor vs.
Temperature



Notice and Disclaimer: All product drawings, descriptions, specifications, statements, information and data (collectively, the “Information”) in this datasheet or other publication are subject to change. The customer is responsible for checking, confirming and verifying the extent to which the Information contained in this datasheet or other publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without any guarantee, warranty, representation or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are based on the knowledge that the Cornell Dubilier company providing such statements (“Cornell Dubilier”) has of operating conditions that such Cornell Dubilier company regards as typical for such applications, but are not intended to constitute any guarantee, warranty or representation regarding any such matter – and Cornell Dubilier specifically and expressly disclaims any guarantee, warranty or representation concerning the suitability for a specific customer application, use, storage, transportation, or operating environment. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by Cornell Dubilier with reference to the use of any Cornell Dubilier products is given gratis (unless otherwise specified by Cornell Dubilier), and Cornell Dubilier assumes no obligation or liability for the advice given or results obtained. Although Cornell Dubilier strives to apply the most stringent quality and safety standards regarding the design and manufacturing of its products, in light of the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies or other appropriate protective measures) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage. Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated in such warnings, cautions and notes, or that other safety measures may not be required.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cornell Dubilier:

[AFK106M25B12T](#) [AFK106M35B12T](#) [AFK106M50C12T](#) [AFK106M63D16T](#) [AFK106M80E16T](#) [AFK107M06D16T](#)
[AFK107M16D16T](#) [AFK107M25E16T](#) [AFK107M2AP44T](#) [AFK107M50F24T](#) [AFK107M63G24T](#) [AFK107M80H32T](#)
[AFK108M06F24T](#) [AFK108M10G24T](#) [AFK108M25H32T](#) [AFK108M50P44T](#) [AFK337M80P44T](#) [AFK475M50B12T](#)
[AFK475M80D16T](#) [AFK476M06B12T](#) [AFK476M16D16T](#) [AFK476M25D16T](#) [AFK476M2AH32T](#) [AFK476M35D16T](#)
[AFK476M50E16T](#) [AFK476M63F24T](#) [AFK476M80G24T](#) [AFK477M16F24T](#) [AFK477M25G24T](#) [AFK477M35H32T](#)
[AFK477M63P44T](#) [AFK477M80R44T](#) [AFK686M2AH32T](#) [AFK687M16G24T](#) [AFK687M63R44T](#) [AFK157M80H32T](#)
[AFK226M16B12T](#) [AFK226M2AF24T](#) [AFK226M35C12T](#) [AFK226M63E16T](#) [AFK227M10E16T](#) [AFK227M16E16T](#)
[AFK227M25F24T](#) [AFK227M2AR44T](#) [AFK227M35F24T](#) [AFK227M50G24T](#) [AFK227M63H32T](#) [AFK228M25P44T](#)
[AFK335M80C12T](#) [AFK336M10B12T](#) [AFK336M25C12T](#) [AFK336M2AG24T](#) [AFK336M50E16T](#) [AFK336M80F24T](#)
[AFK337M06E16T](#) [AFK337M10F24T](#) [AFK337M16F24T](#) [AFK337M2AR44T](#) [AFK686M80H32B](#) [AFK157M80H32B](#)
[AFK337M50H32B](#) [AFK227M50G24B](#) [AFK107M2AP44B](#) [AFK337M06E16B](#) [AFK336M63F24B](#) [AFK227M50G24T-F](#)
[AFK227M16E16T-F](#) [AFK227M10E16T-F](#) [AFK227M35F24T-F](#) [AFK227M25F24T-F](#) [AFK227M63H32T-F](#)
[AFK476M2AH32T-F](#) [AFK336M25C12T-F](#) [AFK227M50G24B-F](#) [AFK157M2AP44T](#) [AFK157M2AP44T-F](#)
[AFK157M50G24T](#) [AFK227M10E16B](#) [AFK336M2AG24B](#) [AFK338M06H32T](#) [AFK686M25D16T](#) [AFK687M35H32T](#)
[AFK687M35H32T-F](#) [AFK107M06D16T-F](#) [AFK476M06B12T-F](#) [AFK107M2AP44B-F](#) [AFK686M2AH32T-F](#)
[AFK107M2AP44T-F](#) [AFK337M06E16B-F](#) [AFK106M50C12T-F](#) [AFK476M35D16T-F](#) [AFK476M25D16T-F](#)
[AFK337M80P44T-F](#) [AFK337M50H32B-F](#) [AFK337M10F24T-F](#) [AFK337M16F24T-F](#) [AFK476M16D16T-F](#)
[AFK336M10B12T-F](#) [AFK336M50E16T-F](#) [AFK335M80C12T-F](#)