

Data Sheet

Customer: _____

Product: Aluminum Electrolytic Capacitors – AEFK Series

Load life 6000~8000 hrs at 105℃ AEC-Q200 version available

Size : 8x11.5mm ~ 18x41mm _____

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Edition: Ver. 1 _____

Record of change

Date	Ver.	Description	Page
16-Oct-2023	1		

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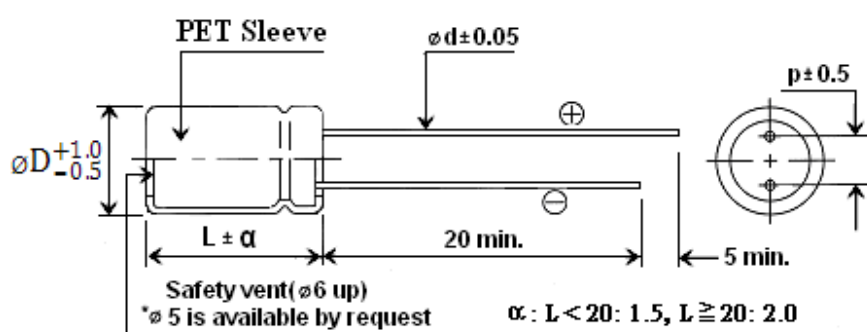
Prepared by	Checked by	Approved by	Accepted by (customer)
16-Oct-2023	16-Oct-2023	16-Oct-2023	
Andy Hsu	Hwa Wu	Hwa Wu	

- EFK series capacitors are suitable for electronic ballast and energy saving lamp..
- Load life 105°C, 6000 ~ 8000 hours assured.
- AEC-Q200 version available

Characteristics

Voltage Range	160 ~450V													
Temperature Range	-40 ~ + 105°C													
Capacitance Range	1 to 330 uF													
Leakage Current	I≤0.04CV+100uA, After 1 minute with rated working voltage applied.													
Capacitance Tolerance	±20% at 120Hz , 20°C(10% Tol. is available upon request)													
Dissipation Factor	W.V.	160	200	250	350	400	450							
	tanδ	0.10	0.10	0.10	0.12	0.12	0.12							
Low Temperature Characteristics (120Hz)	W.V.	160	200	250	350	400	450							
	Z-25°C / Z+20°C	3	3	3	5	5	6							
	Z-40°C / Z+20°C	6	6	6	6	6	-							
Load life	Test condition							<table><tr><td>φ (mm)</td><td>Life(hrs)</td></tr><tr><td>8</td><td>6000</td></tr><tr><td>≥10</td><td>8000</td></tr></table>	φ (mm)	Life(hrs)	8	6000	≥10	8000
	φ (mm)	Life(hrs)												
	8	6000												
	≥10	8000												
Duration time :As right														
Ambient temperature :+105°C														
Applied voltage :Rated DC working voltage														
After test requirement at +20°C														
Capacitance change: ≤±20% of the initial measured value														
Dissipation factor: ≤200% of the initial specified value														
Leakage current : ≤The initial specified value														
Shelf life (at 105°C)	Test conditions													
	Duration time : 1000Hrs													
	Ambient temperature :+105°C													
	Applied voltage : None													
	After test requirement at +20°C: Same limits as Load life.													
Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.														

Drawing



D ϕ	5	6.3	8	10	13	16	18
p	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d ϕ	0.5	0.5	0.5	0.6	0.6	0.8	0.8

Ripple Current Coefficients

Frequency(Hz)	120	1K	10K	$\geq 100K$
Multiplier	1.0	1.5	1.7	1.9

Multiplier for R.C. vs Temperature

Temp.(°C)	45	60	70	85	95	105
Multiplier.	2.10	1.90	1.65	1.40	1.25	1.00

Dimensions, Maximum Permissible Ripple Current & Impedance

[illegible]