

ALUMINUM ELECTROLYTIC CAPACITORS

H7 7mm/9mm height Series

- Features : 105°C 2000 hours , Higher temperature range, Long life than S7
Low profile/miniatute, 7mm/9mm height
- Recommended Applications : Monitor/Computer, AV(TV,Video,Audio),
OA/HA/Communication, Small signal
- Corresponding product to RoHS

H7

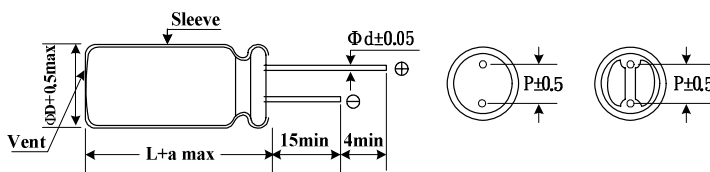
↑ Long Life
S7



Specifications

Item	Characteristics								
Operating Temperature Range	-40 ~ +105℃								
Rated Voltage Range	4 ~ 63VDC								
Rated Capacitance Range	1 ~ 470μF								
Capacitance Tolerance	± 20 % at 120Hz , 20℃								
Leakage Current (MAX) (20℃)	I=0.01CV or 3(μA) , whichever is greater. (After rated voltage applied for 2 minutes) I= Leakage Current (μ A) C= Nominal Capacitance (μ F) V= Rated Voltage (V) (20℃)								
Dissipation Factor (MAX) (tan δ) (120Hz ,20℃)	WV	4	6.3	10	16	25	35	50	63
	tan δ	0.35	0.24	0.20	0.18	0.15	0.13	0.12	0.10
	Down size tanδ add 3%.								
Low Temperature Stability Impedance Ratio (MAX)	WV Z(120Hz)	4	6.3	10	16	25	35	50	63
	Z-25℃ / Z+20℃	6	4	3	2	2	2	2	2
	Z-40℃ / Z+20℃	12	8	6	4	4	4	4	4
Load Life	After applying rated voltage for 2000 hours at 105℃ the capacitors shall meet the following requirements.								
	Capacitance Change		Within ± 20 % of initial value						
	Dissipation Factor		Not more than 200% of the specified value						
	Leakage Current		initial specified value or less						
Shelf Life	After placed at 105℃without voltage applied for1000 hours, the capacitors shall meet the same requirement as load life.								

Diagram of Dimensions



φ D	4.0	5.0	6.3	8.0
P	1.5	2.0	2.5	3.5
φ d	0.45	0.45	0.45	0.5
a	1.0	1.0	1.0	1.0

Multiplier for Ripple Current

Frequency coefficient

WV(VDC) \ Freq. (Hz)	50	120	1K	10K
4~16	0.8	1.0	1.1	1.2
25~35	0.8	1.0	1.5	1.7
50~63	0.8	1.0	1.6	1.9

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Series

■Dimensions, Rated Ripple Current

Capacitance (μ F)	Rated (Surge) Voltage															
	4 (5)		6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)		63 (79)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1.0													4x7	10	4x7	10
2.2							4x7	10					4x7	20	4x7	20
3.3							4x7	10					4x7	25	4x7	25
4.7							4x7	15	4x7	20	4x7	25	4x7	30	5x7	35
10							4x7	25	4x7	30	4x7	35	5x7	35	6.3x7	50
22					4x7	30	4x7	35	5x7	50	5x7	60	6.3x7	65		
33	4X7	30	4x7	35	4x7	40	5x7	50	6.3x7	65	6.3x7	70	8x7	80		
47	4X7	35	5x7	50	5x7	60	6.3x7	70	6.3x7	70	8x7	80	8x9	100		
100	5X7	55	5x7	70	6.3x7	90	6.3x7	110	8x7	115	8x9	145				
220	6.3X7	95	6.3x7	110	6.3x7	135	8x9	180								
330			8x7	150	8x9	160	8x9	210								
470			8x9	200	8x9	210										

☆ Size: D ϕ x L (mm) ☆ Ripple Current: (mA/rms), 105℃, 120Hz