

ALUMINUM ELECTROLYTIC CAPACITORS

H5 5mm height Series

■ Features: 105°C 2000 hours, Higher temperature range, long life than S5
Low profile/miniature, 5mm height

■ Recommended Applications: Monitor/Computer, AV(TV, Video, Audio),
OA/HA/Communication, Small signal

■ Corresponding product to RoHS

H5

↑

S5

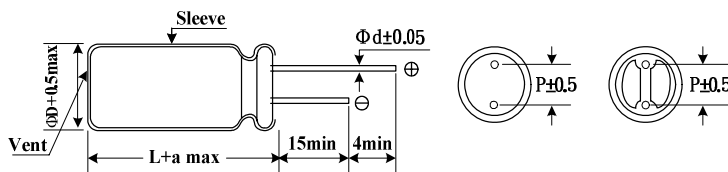
Long Life



Specifications

Item	Characteristics							
Operating Temperature Range	-40 ~ +105℃							
Rated Voltage Range	4 ~ 50VDC							
Rated Capacitance Range	1 ~ 330 μF							
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
	tan δ	0.37	0.26	0.24	0.20	0.16	0.13	0.12
	Down size tanδ add 3%.							
Low Temperature Stability Impedance Ratio (MAX)	WV Z(120Hz)	4	6.3	10	16	25	35	50
	Z-25℃ / Z+20℃	6	4	3	2	2	2	2
	Z-40℃ / Z+20℃	12	8	6	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 for 1000 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	0.45
a	1.0	1.0	1.0	1.0

Multiplier for Ripple Current

Frequency coefficient

Freq. (Hz)	50	120	1K	10K
WV(VDC)				
4~16	0.80	1.00	1.10	1.20
25~50	0.80	1.00	1.50	1.70

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H5

5mm height
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)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1.0													4x5	10
2.2													4x5	15
3.3													4x5	15
4.7							4x5	10	4x5	15	4x5	15	5x5	20
10			4X5	15	4X5	20	4x5	20	4x5	25	5x5	30	6.3X5	35
22	4X5	20	4X5	25	5X5	25	5x5	30	6.3X5	40	6.3X5	45	6.3X5	55
33	4X5	25	5X5	30	5X5	35	5x5	40	6.3X5	50				
47	5X5	30	5X5	35	6.3X5	45	6.3X5	55						
100	6.3X5	50	6.3X5	60	6.3X5	70	6.3X5	90						
220	6.3X5	70	8X5	95										
330	8X5	110	8X5	120										

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