

Aluminum Electrolytic Capacitors

HT Series – Screw Terminal Type 105°C 2000Hrs



Specifications

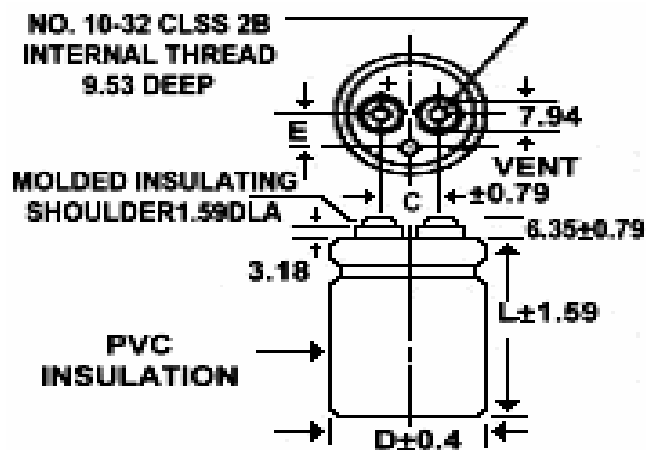
Item	Performance									
Operating Temperature Range	-40 to+105º c					-25 to+105º c				
Rated Working Voltage Range	16 - 100v.DC					160 - 450v.DC				
Nominal Capacitance Range	1500 - 470000µ F					220 - 22000µ F				
Capacitance Tolerance	± 20% (at+20º c ,120Hz)									
Leakage Current	I ≤0.02CV , after 5 minutes application of rated voltage.									
Dissipation Factor (tan δ) (120Hz\+20º c)	Tan δ max (%)									
	VDC	16V	25V	35V	50V	63V	80V	100V	160-250V	350-450V
	35 φ	0.6	0.4	0.3	0.25	0.2	0.2	0.15	0.15	0.2
	51 φ	0.7	0.5	0.5	0.3	0.25	0.2	0.2	0.15	0.2
	63.5 φ	0.8	0.7	0.6	0.5	0.3	0.25	0.25	0.2	0.25
	76.2 φ	1.2	0.8	0.7	0.6	0.4	0.3	0.25	0.2	0.25
Characteristics at low temperature (stability at 120 Hz)	Rated Voltage V		Impedance ratio							
	-25ºc/+20º c		3 MAX.							
	-40ºc/+20º c		12 MAX.							
Load life	After 2000hrs. application of DC rated working voltage with rated ripple current at +105º c, the capacitor shall meet the following limits when capacitors are restored to 20º c :									
	Leakage current					≤ the initial specified value				
	Capacitance change					≤ ±15% of initial measured value				
	Dissipation Factor(tan δ)					≤ 175% of initial specified value				
Shelf Life	After storage for 1000hrs. at +105º c with no voltage applied, pre-treatment for measurements shall be conducted after application of DC rated voltage for 60 minutes, the capacitors shall meet the same limits as high temperature loading.									

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CINETECH
SYMBOL OF QUALITY

Diagram of Dimensions



D	35	51	63.5	76.2
C	12.7	22	28.6	31.8

Case Size

Max ripple current: mA rms at 85°C. 120Hz

W.V μ F	16		25		35		50	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
6800							35x50	3.1
10000					35x60	3.5	35x60	4.0
15000			35x50	3.8	35x80	4.8	35x80	5.5
22000	35x60	4.9	35x60	5.1	35x100	6.4	35x120	8.0
33000	35x80	6.7	35x100	7.4	35x120	8.5	51x100	8.3
47000	35x100	8.8	35x120	9.5	51x100	9.9	51x120	10.7
68000	51x80	9.5	51x100	10.3	51x120	12.8	63.5x100	12.6
100000	51x100	12.5	51x120	13.5	63.5x120	16.4	76.2x120	13.7
150000	51x140	17.6	63.5x120	16.9	76.2x120	16.8	76.2x140	17.9
220000	63.5x120	18.0	76.2x120	19.2	76.2x160	22.8		
330000	76.2x120	19.1	76.2x160	24.6				
470000	76.2x160	25.5						

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W.V μ F	63		80		100		160	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1000							35x60	1.7
1500					35X60	1.9	35x80	2.1
2200					35X80	2.6	35x100	3.0
3300					35x100	3.5	35x120	4.0
4700			35x60	3.0	51x80	4.3	51x100	5.0
6800	35x60	3.7	35x80	4.1	51x100	5.7	51x140	7.0
10000	35x80	5.0	35x100	5.4	51x140	7.9	63.5x120	7.6
15000	35x120	7.2	51x80	6.3	63.5x120	8.4	76.2x120	8.5
22000	51x80	7.0	51x100	8.3	76.2x120	10.5	76.2x140	11.5
33000	51x120	10.1	51x140	11.7				
47000	63.5x100	11.7	63.5x140	13.0				
68000	63.5x140	14.6	76.2x140	15.0				
100000	76.2X140	16.0						

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W.V μ F	200		250		350		400	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
220							35x50	0.6
330					35x60	0.7	35x60	0.7
470			35x60	1.1	35x80	1.0	35x80	1.0
680	35x50	1.3	35x80	1.5	35x100	1.3	35x120	1.4
1000	35x60	1.8	35x100	2.1	35x120	1.7	51x80	1.6
1500	35x80	2.3	51x80	2.6	51x100	2.2	51x120	2.4
2200	35x120	3.3	51x100	3.4	51x140	3.1	63.5x120	3.2
3300	51x100	4.2	51x140	4.8	63.5x120	4.6	76.2x120	3.9
4700	51x140	5.8	63.5x120	5.2	76.2x160	6.2	76.2x160	5.2
6800	63.5x120	6.2	76.2x120	5.5				
10000	76.2x120	6.7	76.2x160	7.5				
15000	76.2x160	9.2						