Aluminum Electrolytic Capacitor

GHR Series

HIGH TEMPERATURE FOR GENERAL USE 105 ℃ 高溫度標準品

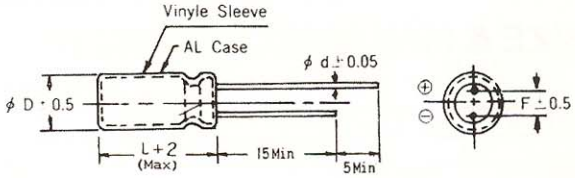
- The GHR series is fit for those consumer product which reguire high tmeperature and high reliability.
- 本系列適合一般高溫度及信賴性較高之消費性產品。

SPECIFICATION 電氣特性

ITEM	CHARACTERISTICS										
容量容許差 (120Hz 25 ℃) Capacitance Tolerance	± 20%(M) ± 10%(K)										
額定電壓 Rated Working Voltage	6.3～100VDC									160～400VDC	
使用溫度範圍 Operation Temperature Range	-40～+105 ℃									-25～+105 ℃	
漏洩電流 (25 ℃) Leakage Current	I ≦ 0.01CV+4 (μA)									I ≦ 0.03CV+20 μA max	
	Whichever is greater after 3 minutes I:Leakage Current(μA)C:Rated Capacitance (μF) V:Working Voltage (v)										
散逸因素 (120Hz 25 ℃) Dissipation Factor (tan δ)	Add 0.02 per 1000 μF for more than 1000 μF										
	W.V.	6.3	10	16	25	35	50	63	80	100	160～250	315～450
	tan δ	0.24	0.20	0.17	0.15	0.12	0.10	0.10	0.10	0.10	0.20	0.25
低溫特性 Low Temperature Stability	Impedance ratio at 120Hz										
	rated Voltage (V)	6.3	10	16	25	35～100	160～250	315～450			
	-25 ℃ /+25 ℃	4	3	2	2	2	8	20			
	-40 ℃ /+25 ℃	10	8	6	4	3					
高溫負荷特性 Load Life	After 1000 hours application of W.V. at +105 ℃ the capacitor shall meet the following limits.										
	Capacitance Change	≦ ± 25% of imitial value									
	Dissipation Factor	≦ 200% of initial specified value									
	Leakage Current	≦ initial specified value									
放置特性 Shelf Life	After 1000 hours application of W.V. at +105 ℃ the capacitor shall meet the following limits.										
	Capacitance Change	≦ ± 20% of imitial value									
	Dissipation Factor	≦ 200% of initial specified value									
	Leakage Current	≦ 200% of initial specified value									

CASE SIZE OF RADIAL TYPE

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



CASE SIZE & MAX RIPPLE CURRENT

Case size : DxL (mm)
Max ripple current : mA (rms)
(R.C.) : 105℃ 120Hz

μF	WV	6.3		10		16		25		35		50		63		100		160		200		250		350		400	
	ITEM	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.47											→	5x11	8		→	5x11	9	6.3x11	7	6.3x11	8	6.3x11	9	8x11	8	8x11	9
1											→	5x11	12		→	5x11	13	6.3x11	11	6.3x11	12	6.3x11	13	8x11	12	8x11	13
2.2		註：空格部份膠管所標示的電壓以 → 右方一格表示									→	5x11	17		→	5x11	19	6.3x11	16	6.3x11	17	6.3x11	19	8x11	18	10x13	20
3.3		All blank voltage on sleeve marking									→	5x11	21		→	5x11	24	6.3x11	20	6.3x11	21	8x11	26	10x13	24	10x13	25
4.7		is the same voltage as " → "point to.									→	5x11	25		→	5x11	28	6.3x11	23	8x11	29	8x11	31	10x13	29	10x16	33
10							→	5x11	30		→	5x11	37	5x11	37	6.3x11	47	8x11	39	10x13	46	10x16	55	10x21	50	13x21	55
22							→	5x11	44		→	5x11	55	6.3x11	60	8x11	80	10x16	70	10x21	85	13x21	90	13x26	85	13x26	90
33							→	5x11	55	5x11	60	6.3x11	75	6.3x11	75	10x13	110	10x21	95	13x21	110	13x21	110	16x25	110	16x32	130
47					→	5x11	60	5x11	65	6.3x11	80	6.3x11	90	8x11	100	10x16	140	13x21	120	13x21	120	13x26	150	16x35	150	18x35	150
100		5x11	75	5x11	80	6.3x11	100	6.3x11	110	8x11	140	8x11	150	10x13	160	13x21	230	13x26	180	16x25	200	16x32	250	18x42	230		
220		6.3x11	130	6.3x11	140	8x11	170	8x11	180	10x13	220	10x16	270	10x21	300	16x25	380	16x35	320	18x42	370						
330		6.3x11	160	8x11	190	8x11	210	10x13	240	10x16	300	10x21	370	13x21	370	16x25	470	18x42	420								
470		8x11	210	8x11	230	10x13	270	10x16	320	10x21	400	13x21	440	13x26	490	16x32	620										
1000		10x13	340	10x16	400	10x21	490	13x21	530	13x21	590	16x25	730	16x32	810												
2200		10x21	590	13x21	650	13x21	700	13x26	810	16x32	1020	18x35	1130														
3300		13x21	700	13x21	760	13x26	890	16x32	1070	18x35	1200	18x42	1390														
4700		13x26	880	16x25	960	16x32	1140	18x35	1220	18x42	1420																
6800		16x25	1020	16x32	1210	18x35	1300	18x42	1460																		
10000		16x32	1260	18x35	1350	18x42	1530																				