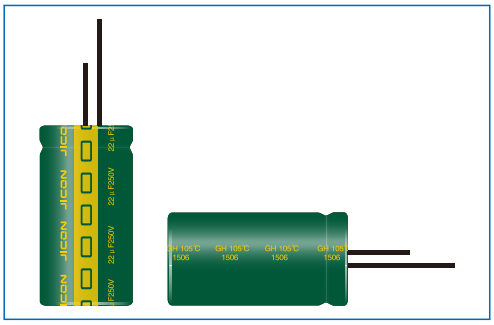
GH 系 列 SERIES

- 10000～12000hours at 105℃
- Long Life Assurance
- High Ripple Current
- For electronic ballast and LED driver



◆ SPECIFICATION

Items	Characteristics	
Operating Temperature Range(℃)	-40～+105℃	-25～+105℃
Voltage range (V)	160～250V	350-450V
Capacitance Range (μF)	1～220μF	
Capacitance Tolerance	±20% (at 20℃,120Hz)	
leakage current (μA)	After 2 minute at 20℃ application of rated voltagee , leakag current is not more than 0.02CV+10(450wv, I≤0.03CV+10). C:Nominal Capacitance (μF) V :Rated Voltage (V)	

Dissipation Factor(Tan δ)

WV(V)	160	200	250	350	400	450
Tan δ (max)	0.15	0.15	0.15	0.20	0.20	0.20

(at 20℃,120Hz)

Load Life

The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated rippled current is applied for 10000~12000 hours at 105℃

Capacitance change	Within ±20%initial value
D.F. (Tan δ)	Not more than 200% of specified value
leakage current	Not more than specified value

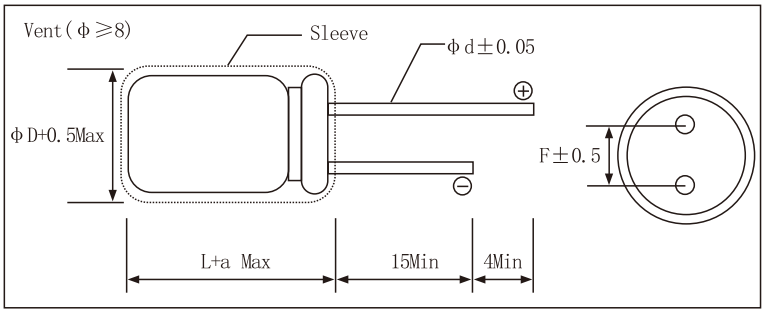
Case Dia	Life time (hours)
φ8~φ10	10000
φ13~φ18	12000

Shelf Life

The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃without voltage applied .Before the measurement ,the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.

Capacitance change	Within ±20%initial value
D.F. (Tan δ)	Not more than 200% of specified value
leakage current	Not more than 200% of specified value

◆ DIMENSIONS(mm)



ØD	6.3	8	10	12.5	16	18
Ød	0.5	0.6	0.6	0.6	0.8	0.8
F	2.5	3.5	5.0	5.0	7.5	7.5
ØD'	ØD+0.5max.					
L'	L+2max.					

◆ Frequency Coefficient

Frequency(Hz) / Rated voltage(V)	120Hz	1kHz	10kHz	100kHz
160~250WV	0.55	0.85	0.90	1.00
350~450WV	0.50	0.80	0.90	1.00

◆ Temperature Coefficient

Temperature(℃)	+70	+85	+105
Coefficient	1.70	1.40	1.00

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◆ STANDARD RATINGS

UR (Surge Voltage) Code	Rated Capaci-tance	Rated Ripple Current 105℃100kHz	Size ΦD×L
(V)	(μF)	(mA rms)	(mm)
160 (200) 2C	3.3	104	8×12
	4.7	115	8×16
	6.8	138	8×16
	10	296	10×16
	15	359	10×16
	22	575	10×20
	33	575	13×20
	47	762	13×25
	68	791	16×25
	100	1157	16×25
	150	1402	18×31.5
	220	1420	18×35.5
200 (250) 2D	3.3	108	8×12
	4.7	137	8×12
	6.8	147	8×16
	10	302	10×16
	15	482	10×20
	22	575	10×20
	33	647	10×20
	47	759	13×25
	68	794	16×25
	100	1150	16×35
	150	1402	18×35
250 (300) 2E	2.2	101	8×12
	3.3	114	8×16
	4.7	132	10×16
	6.8	147	10×16
	10	302	10×16
	22	575	13×20
	33	690	13×25
	47	748	16×25
	68	963	16×31.5
	100	1265	18×31.5
350 (400) 2V	2.2	93	10×16
	3.3	121	10×16
	4.7	151	10×20
	5.6	177	13×20
	6.8	252	13×20
	8.2	280	13×20
	10	331	13×20
	22	367	16×25
	33	518	16×31.5
	47	683	18×31.5
	68	891	18×35.5

UR (Surge Voltage) Code	Rated Capaci-tance	Rated Ripple Current 105℃100kHz	Size ΦD×L
(V)	(μF)	(mA rms)	(mm)
400 (450) 2G	1	83	8×16
	2.2	108	10×16
	3.3	129	10×16
	4.7	155	10×20
	6.8	256	13×20
	8.2	299	13×20
	10	323	13×20
	15	371	13×25
	22	647	16×25
	33	719	16×31.5
	47	963	18×31.5
450 (500) 2W	1.0	104	10×12
	2.2	124	10×16
	3.3	137	10×16
	4.7	158	10×20
	6.8	280	13×20
	10	359	13×20
	22	647	16×25
	33	805	16×31.5
	47	1006	18×31.5

Customer products are available on request