

HQ series

- High ripple current, at 105°C.
- Suitable for the rectifier system of an inverter circuit.
- RoHS Compliance.
- 紋波電流品，耐高溫105°C產品。
- 適用於變頻器控制電路。



SPECIFICATIONS

Items 項目	Characteristics 特性	
Capacitance Tolerance 靜電容量誤差	$\pm 20\%$ (120Hz, 20°C)	
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C	
Rated Voltage Range 工作電壓範圍	400, 450V	
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 5mA, whichever is smaller, (at 20°C, after 5 minutes) where, C: Nominal capacitance (μF); V: Rated voltage (V)	
Dissipation Factor 散逸因素 ($\tan \delta$)	Measurement Frequency: 120Hz, Temperature: 20°C 0.15 (Max)	
Load Life 負荷壽命	2,000hours, with application of working voltage at 105°C	
	Capacitance Change	Within $\pm 15\%$ of Initial Value
	$\tan \delta$	175% or less of Initial Specified Value
	Leakage Current	Initial Specified Value or less
Shelf Life 放置壽命	1,000hours, no voltage applied, at 105°C. After Test: U_R to be applied for 30 minutes, 24 to 48hours before measurement.	
	Capacitance Change	Within $\pm 15\%$ of Initial Value
	$\tan \delta$	175% or less of Initial Specified Value
	Leakage Current	Initial Specified Value or less
	After test U_R to be applied for 60 minutes, 20 $\pm$ 4hours before measurement	
Standards 參照標準	JIS C 5101-4-1 and JIS C 5101-2	

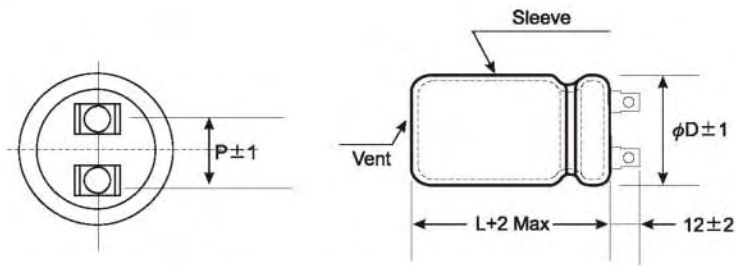
PERMISSIBLE RIPPLE CURRENT

Frequency Coefficient

Frequency (Hz)	50/60	120	300	1K	$\geq 10K$
Coefficient	0.70	1.00	1.10	1.30	1.40

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DIMENSIONS (mm)



ϕD	51	64
P	22.0	28.6

STANDARD RATINGS

DxL (mm); R.C.: (A rms) at 105°C, 120Hz.

Cap (μF)	WV(V) (Code)	400 (2G)		450 (2W)	
		D x L	R.C.	D x L	R.C.
560				51x65	1.7
680		51x65	1.9	51x65	1.9
820		51x 65	2.1	51x75	2.2
1000		51x 75	2.5	51x95	2.7
1200		51x 95	3.0	51x110	3.2
1500		51x110	3.6	51x120	3.7
1800		51x120	4.1	64x95	4.0
2200		64x95	4.5	64x105	4.7
2700		64x105	5.3	64x120	5.6
3300		64x120	6.2		

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