

# Hitachi Aluminum Electrolytic Capacitor Super Large Capacitance HCGW3 series

## Features

- Capacitance increased by **30%** to HCGW2 series (smallest series)
- Doubled energy density to standard VF series
- Conform RoHS

### 【Recommended Applications】

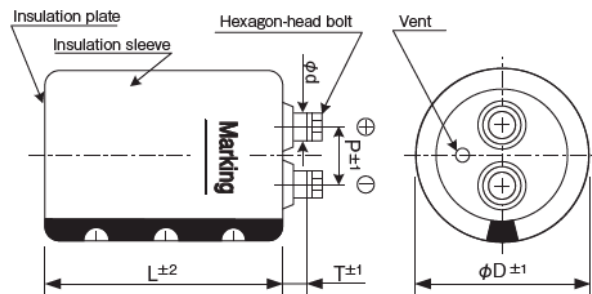
- Energy Compensation (buffer/storage)  
like Voltage Sag Mitigation(VSM)
- Large Instant Energy Discharge  
like Laser, X-Ray, Welding, Accelerator

## General Specifications

Items	Specifications
Temperature Range	-10~+70°C
Useful Life time	4,000 hours at 70°C
Rated Voltage	350~500V.DC
Capacitance Tolerance	±20% (20°C, 120Hz)
Leakage Current (at 20°C)	Not more than 0.01CV (μA) or 7 (mA) whichever is smaller [C=Rated Capacitance(μF)、V=Rated Voltage (V)]

## Dimensions

(mm)					
Diameter (φD)	Terminal Distance (P)	Terminal Height (T)	Terminal Diameter (Φd)	Screw Type and Length	Cap Material
77	31.5	9.0	12.0	M6 × 12	Phenol Resin
90	31.5	8.0	12.0	M6 × 12	



## Standard Product Table

Rated Voltage (V)	Rated Capacitance (μF)	Case Size (φ × L)	Part Number
350	19,000	77 × 148	HCGW32V193YE148
	21,000	77 × 165	HCGW32V213YE165
	25,000	77 × 188	HCGW32V253YE188
	28,000	90 × 150	HCGW32V283YF150
	30,000	90 × 167	HCGW32V303YF167
	31,000	77 × 228	HCGW32V313YE228
	35,000	90 × 190	HCGW32V353YF190
	44,000	90 × 230	HCGW32V443YF230
400	16,000	77 × 148	HCGW32G163YE148
	17,000	77 × 165	HCGW32G173YE165
	20,000	77 × 188	HCGW32G203YE188
	22,000	90 × 150	HCGW32G223YF150
	24,000	90 × 167	HCGW32G243YF167
	25,000	77 × 228	HCGW32G253YE228
	29,000	90 × 190	HCGW32G293YF190
	36,000	90 × 230	HCGW32G363YF230

Rated Voltage (V)	Rated Capacitance (μF)	Case Size (φ × L)	Part Number
450	13,000	77 × 148	HCGW32W133YE148
	15,000	77 × 165	HCGW32W153YE165
	17,000	77 × 188	HCGW32W173YE188
	18,000	90 × 150	HCGW32W183YF150
	21,000	90 × 167	HCGW32W213YF167
	22,000	77 × 228	HCGW32W223YE228
	25,000	90 × 190	HCGW32W253YF190
	32,000	90 × 230	HCGW32W323YF230
500	10,000	77 × 148	HCGW32H103YE148
	12,000	77 × 165	HCGW32H123YE165
	14,000	77 × 188	HCGW32H143YE188
	15,000	90 × 150	HCGW32H153YF150
	17,000	77 × 228	HCGW32H173YE228
		90 × 167	HCGW32H173YF167
	20,000	90 × 190	HCGW32H203YF190
	25,000	90 × 230	HCGW32H253YF230

## Contact us

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