

Screw type

Large Capacitance Screw Type Aluminum Electrolytic Capacitors

New HCGW2 Series

Large capacitance

RoHS Compliant

Features

- Capacitance is increased by around 22%, of conventional HCGW series through development of etched foil technology.
- Warranty of 2,000 hours at 85°C.

Product specifications

Item	Specifications
Rated Temperature Range	-10~+85°C
Rated Voltage	400~500 V.DC
Capacitance Tolerance	±20% (20°C, 120Hz)
Dissipation Factor (tan δ)	No more than 0.70 (20°C, 120Hz)
Leakage Current	0.01CV(μA) or 7(mA), whichever is the smaller (20°C, after 5minutes) [C=Nominal Capacitance(μF), V=Rated Voltage]



Table of standard value and case size

Rated voltage [V.DC]	Capacitance [μF]	Case size φ D×L [mm]	Permissible ripple current 105°C, 120Hz [Arms]	Product name
400	13,000	77×153	26.6	HCGW22G133YE153
	14,000	77×170	28.8	HCGW22G143YE170
	16,000	77×193	31.7	HCGW22G163YE193
	18,000	90×154	33.4	HCGW22G183YF154
	19,000	90×171	35.8	HCGW22G193YF171
	20,000	77×233	38.4	HCGW22G203YE233
	23,000	90×194	40.4	HCGW22G233YF194
	29,000	90×234	48.9	HCGW22G293YF234

Rated voltage [V.DC]	Capacitance [μF]	Case size φ D×L [mm]	Permissible ripple current 105°C, 120Hz [Arms]	Product name
450	10,000	77×153	22.3	HCGW22W103YE153
	12,000	77×170	25.5	HCGW22W123YE170
	14,000	77×193	28.2	HCGW22W143YE193
	15,000	90×154	29.0	HCGW22W153YF154
	17,000	90×171	32.2	HCGW22W173YF171
	18,000	77×233	34.7	HCGW22W183YE233
	20,000	90×194	35.8	HCGW22W203YF194
	25,000	90×234	43.2	HCGW22W253YF234

Rated voltage [V.DC]	Capacitance [μF]	Case size φ D×L [mm]	Permissible ripple current 105°C, 120Hz [Arms]	Product name
500	7,500	77×153	19.4	HCGW22H752YE153
	9,000	77×170	22.1	HCGW22H902YE170
	10,000	77×193	23.9	HCGW22H103YE193
	11,000	90×154	25.0	HCGW22H113YF154
	13,000	77×233	29.5	HCGW22H133YE233
		90×171	28.3	HCGW22H133YF171
	15,000	90×194	31.0	HCGW22H153YF194
	18,000	90×234	36.8	HCGW22H183YF234

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