

Snap Mount Type Aluminum Electrolytic Capacitor

PS2 series

Useful life 85°C-4,000hours Conform RoHS

Upgrade!

[Update information] Capacitance is increased by around 20% and permissible ripple current by around 10% compared to the previous lineup.



Features

- ◇ High ripple product with low ESR material and heat dissipation structure
- ◇ Improvement in air exhaust from the terminal insertion hole at solder fixing
- ◇ Improved case structure reduces the operating space of the safety vent to 1 mm

Product Specifications

Items	Specifications
Temperature range	-40~+85°C (200 ~ 500V.DC) -25~+85°C (550, 600V.DC)
Rated voltage	200 ~ 600V.DC
Capacitance tolerance	±20% (20°C、120Hz)
Dissipation factor	Max. 0.15 (20°C、120Hz) (200 ~ 450V.DC) Max. 0.20 (20°C、120Hz) (500 ~ 600V.DC)
Leakage current	0.01CV (µA) or 5mA, whichever is smaller or less (20°C, after 5 minutes) [C = nominal capacitance (µF), V = rated voltage (V)]
Endurance	After the rated voltage with specified ripple current is applied at 85°C for 2,000 hours : Capacitance change : Within ± 15% of the initial value measured Dissipation factor : 175% or less than the initial value specified Leakage current : Less than or equal to the initial value specified

Standard Products Table

Rated voltage (V. DC)	Capacitance (µF)	Case size φ D×L (mm)	Ripple current (Arms) 85°C, 120Hz	Rated voltage (V. DC)	Capacitance (µF)	Case size φ D×L (mm)	Ripple current (Arms) 85°C, 120Hz
200	2,200	41×45	6.39	400	680	41×45	4.65
	2,700	41×55	7.03		820	41×55	5.07
	3,300	46×51	7.27		1,000	46×51	5.66
	3,900	41×64	8.53		1,200	41×64	6.20
		46×61	7.99			46×61	6.27
		51×51	7.68			51×51	6.44
	4,700	46×70	8.75		1,500	46×70	6.99
		51×61	8.51		1,800	51×61	7.97
		6,800	51×70		10.21	2,200	51×70
250	1,500	41×45	5.27	420	560	41×45	4.05
	2,200	41×55	6.35		820	41×55	4.87
		46×51	5.93		46×51	4.91	
	2,700	41×64	7.10		1,000	41×64	5.43
		46×61	6.65			51×51	5.64
	3,300	51×51	7.07		1,200	46×61	6.01
	3,900	46×70	7.97		1,500	46×70	6.71
		51×61	7.76			51×61	6.98
4,700	51×70	8.48	1,800	51×70	7.62		

Contact Us <https://www.aictech-inc.com>

Tokyo Office

Saiwai Bldg. 2F, 1-3-1, Uchisaiwai-cho, Chiyoda-ku, Tokyo 100-0011, Japan

TEL : +81-3-6384-0371 FAX : 81-3-6384-0372

AICtech AIC tech Inc.

Snap Mount Type Aluminum Electrolytic Capacitor

PS2 series

useful life 85°C-4,000hours Conform RoHS

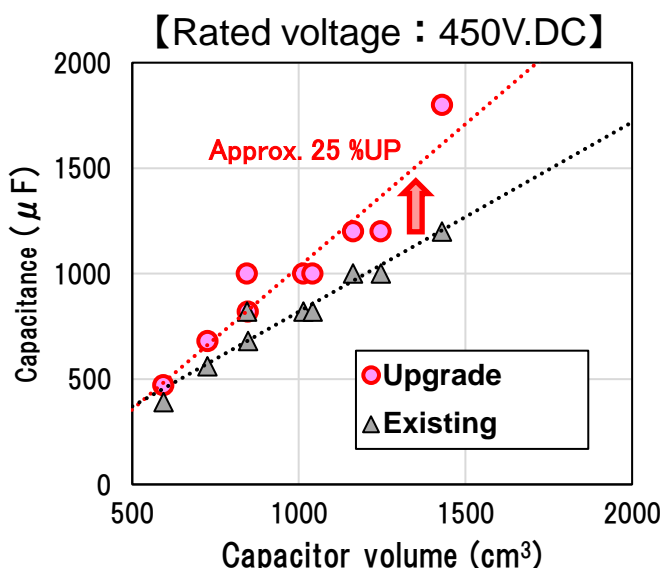
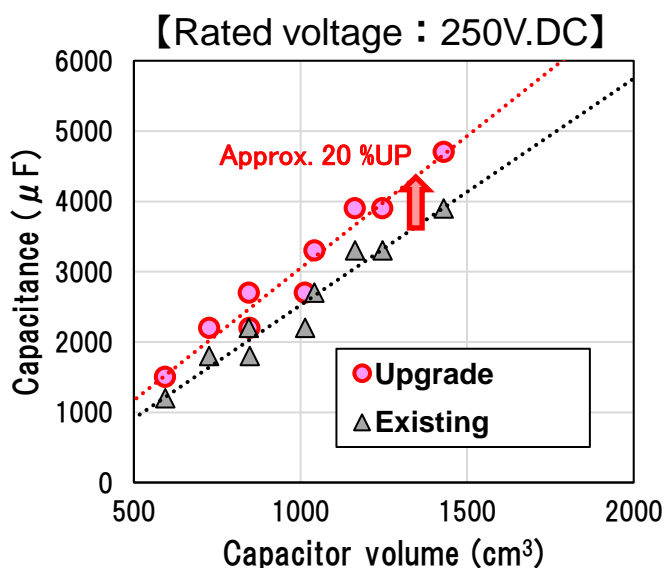
Upgrade!

Standard Products

Rated voltage (V. DC)	Capacitance (μF)	Case size φ D×L (mm)	Ripple current (Arms) 85°C, 120Hz	
450	470	41×45	3.71	
	680	41×55	4.43	
	820	46×51	4.91	
	1,000		41×64	5.43
			46×61	5.49
			51×51	5.64
	1,200		46×70	6.00
			51×61	6.24
1,800		51×70	7.62	
500	470	41×45	3.53	
	560		41×55	3.83
			46×51	3.86
	680	41×64	4.26	
	820		46×61	4.73
			51×51	4.86
	1,000		46×70	5.21
			51×61	5.42
1,200		51×70	5.92	

Rated voltage (V. DC)	Capacitance (μF)	Case size φ D×L (mm)	Ripple current (Arms) 85°C, 120Hz	
550	270	41×45	2.58	
	390		41×55	3.08
			46×51	3.11
			41×64	3.42
	560		46×61	3.77
			51×51	3.88
			46×70	4.15
	680		51×61	4.32
820		51×70	4.72	
600	220	41×45	2.33	
	270	41×55	2.56	
	330	46×51	2.86	
	390	41×64	3.11	
	470		46×61	3.46
			51×51	3.55
	560		46×70	3.77
			51×61	3.92
820	51×70	4.72		

Capacity Comparison Example



Contact Us <https://www.aictech-inc.com>

Tokyo Office

Saiwai Bldg. 2F, 1-3-1, Uchisaiwai-cho, Chiyoda-ku, Tokyo 100-0011, Japan

TEL : +81-3-6384-0371 FAX : 81-3-6384-0372

AICtech AIC tech Inc.