

Snap Mount Type Aluminum Electrolytic Capacitor

US2 series Useful life 105°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~+105°C
Rated voltage	200 ~ 450V.DC
Capacitance tolerance	±20% (20°C、120Hz)
Dissipation factor	Max. 0.15 (20°C、120Hz)
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 105°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 φD×L (mm)	Ripple current (Arms) 105°C, 120Hz
200	1,800	41×45	4.37
		41×55	5.31
	2,700	46×51	4.97
		41×64	5.93
	3,300	51×51	5.34
		46×61	6.04
	4,700	46×70	6.62
5,600	51×61	6.44	
250	7,000	51×70	7.00
	1,200	41×45	3.56
		41×55	4.34
	1,800	41×64	4.84
		46×51	4.48
		51×51	4.36
	2,200	46×61	5.02
		46×70	5.54
	2,700	51×61	5.39
		51×70	5.84
3,300			
3,900			

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

US2 series

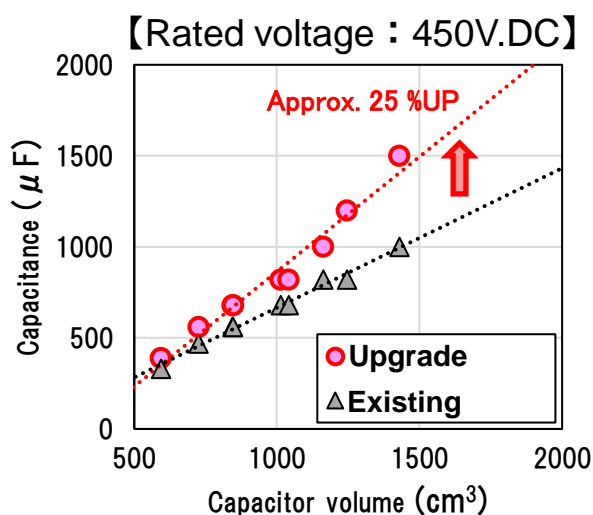
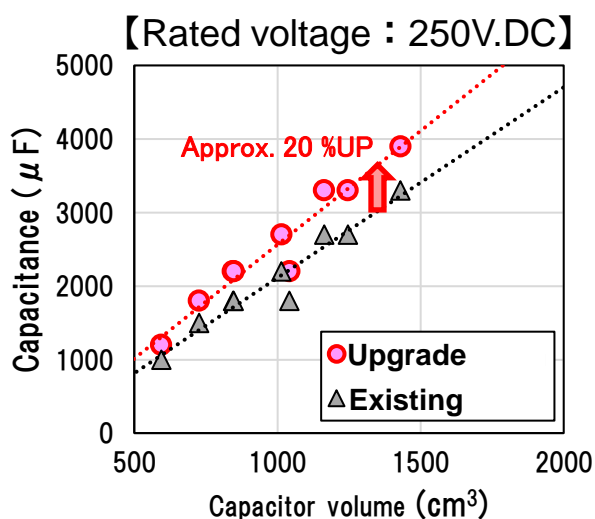
useful life 105°C-4,000hours Conform RoHS

Upgrade!

Standard Products

Rated voltage (V. DC)	Capacitance (μF)	Case size φD×L (mm)	Ripple current (Arms) 105°C, 120Hz
400	560	41×45	3.19
		41×55	3.83
	820	46×51	3.87
		41×64	4.27
	1,000	51×51	4.44
	1,200	46×61	4.74
	1,500	46×70	5.29
51×61		5.51	
1,800	51×70	6.02	
420	470	41×45	2.80
	680	41×55	3.35
	820	46×51	3.71
		41×64	4.10
	1,000	46×61	4.15
		51×51	4.27
	1,200	46×70	4.54
		51×61	4.72
1,500	51×70	5.26	
450	390	41×45	2.55
	560	41×55	3.04
	680	41×64	3.38
		46×51	3.38
	820	46×61	3.76
		51×51	3.86
	1,000	46×70	4.14
	1,200	51×61	4.72
1,500	51×70	5.26	

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.