

Aluminum Electrolytic Type / Surface Mount Type

RoHS compliance

VS

Series

Standard

High Voltage



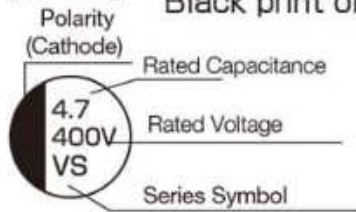
- 160 to 400V, 105°C 1,000 to 2,000hours
- Non solvent proof

■ Specifications

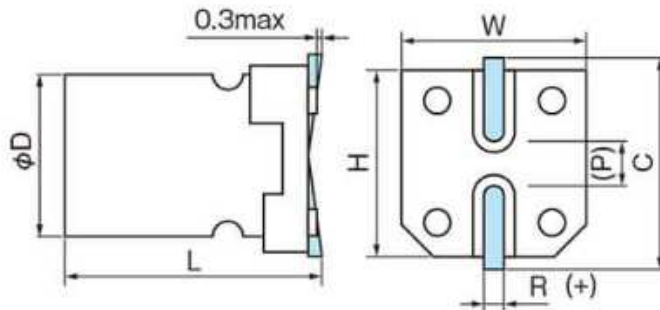
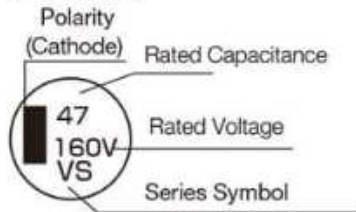
Items		Condition	Specifications			
Rated voltage (V)		—	160	200	250	400
Surge voltage (V)		Room temperature	200	250	300	450
Category temperature range (°C)		—	-40 to +105			
Capacitance tolerance (%)		120Hz/20°C	M : ±20			
Dissipation Factor(tan δ)		tanδ(max) 120Hz/20°C	0.20			0.25
Leakage current(LC)	μA/after 2minutes (max)	CV ≤ 5.6	0.03CV + 15μA			
		CV > 5.6	0.02CV + 25μA			
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	3	3	3	6
		-40°C Z/Z _{20°C}	6	6	6	10
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 1,000hours, φ8 to φ16 : 2,000hours			
		ΔC/C	Within ±20% of the initial value			
		tanδ	Less than 200% of the specified value			
		LC	Less than the specified value			

■ Marking, Dimensions

[$\phi D \leq 10$] Black print on the case top



[$\phi D \geq 12.5$]



A pressure relief vent is provided for $\phi D=8$ or bigger
(P)reference size

(Unit : mm)

$D \pm 0.5$	$L \pm 0.5$	$W \pm 0.2$	$H \pm 0.2$	$C \pm 0.2$	R	$P \pm 0.2$
6.3	10.5	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5	8.3	8.3	9.2	0.7 to 1.2	3.1
8	12.5	8.3	8.3	9.2	0.7 to 1.2	3.1
10	10.5	10.3	10.3	11.2	0.7 to 1.2	4.4
10	13.5	10.3	10.3	11.2	0.7 to 1.2	4.4
12.5	13.5	13.0	13.0	14.0	1.0 to 1.4	4.4
12.5	16.0	13.0	13.0	14.0	1.0 to 1.4	4.4
16	16.5	17.0	17.0	18.0	1.0 to 1.4	6.4

■ Ripple Current Frequency Coefficient

Frequency:F(Hz)	50Hz	120Hz	300Hz	1kHz	10kHz \leq F
Capacitance:C(μ F) All ITEM	0.70	1.00	1.17	1.30	1.50

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■ Size, Rated Ripple Current

μF \ V	160		200		250		400	
1.0							6.3×10.5	10
1.5							6.3×10.5	15
2.2							6.3×10.5	20
3.3					6.3×10.5	15	8×10.5	25
4.7					8×10.5	22	8×10.5	30
5.6					8×10.5	24	8×12.5	36
6.8							10×10.5	40
8.2	6.3×10.5	24			8×10.5	27	10×10.5	40
10	8×10.5	32	8×10.5	30	10×10.5	33	10×13.5	50
12	8×10.5	39	8×12.5	34			10×13.5	55
15	8×10.5	42	8×12.5	37	10×10.5	41	10×13.5	60
22	10×10.5	50	10×10.5	48	10×10.5	45	12.5×13.5	65
33	10×10.5	57	10×13.5	75			12.5×13.5	65
47	10×13.5	65	12.5×13.5	75	10×13.5	60	12.5×16.0	70
68	12.5×13.5	85	12.5×16.0	95	16×16.5	85	16×16.5	75
100	12.5×16.0	105						85
150	12.5×16.0	95	16×16.5	115				70
220	16×16.5	135						85

Case size: ϕ DxL(mm)

Rated ripple current
mArms(120Hz, 105°C)