

Aluminum Electrolytic Capacitors

Surface Mount Type

V type **S** series



Features

- Endurance : 85 ℃ 2000 h
- Vibration-proof product (30G guaranteed) is available upon request. $(\phi 8 \le)$

Frequency correction factor for ripple current 50, 60

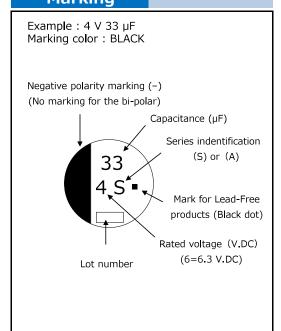
0.70

- AEC-Q200 compliant
- RoHS compliant

Specifications				
Category temp. range	-40 °C to +85 °C			
Rated voltage range	4.0 V to 100 V			
Capacitance range	1 μF to 1500 μF			
Capacitance tolerance	±20 % (120 Hz / +20 ℃)			
Leakage current	$I \le 0.01$ CV or 3 (μ A) (Bi-Polar I ≤ 0.02 CV or 6 (μ A)) After 2 minutes (Whichever is greater)			
Dissipation factor (tan δ)	Please see the attached characteristics list			
Characteristics at low temperature	Rated voltage (V)	4.0 6.3 10 16 25	35 50 63 100	
	Z (-25 °C) / Z (+20 °C)	7 4 3 2 2	2 2 3 3	Impedance ratio at 120 Hz)
	Z (-40 °C) / Z (+20 °C)	15 8 6 4 4	3 3 4 4	
Endurance	After applying rated working voltage for 2000 h (Bi-polar:1000 h for each polarity)			
	at +85 $^{\circ}$ C ± 2 $^{\circ}$ C and then being stabilized at +20 $^{\circ}$ C, capacitors shall meet the following limits.			
	Within ±20 % of the initial value			
	Capacitance change	Size code	Rated voltage	Capacitance change
		B(φ4) to D, D8(φ6.3)	4 V	1000 hours ±30 %
		≦ D(φ6.3) Miniature	6.3 V	
			≥ 10 V	1000 hours ±20 %
	Dissipation factor (tan δ)			
	Leakage current			
Shelf life	After storage for 1000 h at $+85$ °C \pm 2 °C with no voltage applied and then being			
	stabilized at $+20$ °C, capacitors shall meet the limits specified in endurance.			
	(With voltage treatment)			
Resistance to soldering heat	After reflow soldering and then being stabilized at +20 ℃, capacitors shall meet the			
	following limits.			
	Capacitance change	Within ±10 % of the initial value		
	Dissipation factor (tan δ)	Within the initial limit		
	Leakage current	Leakage current Within the initial limit		

Correction factor **Marking**

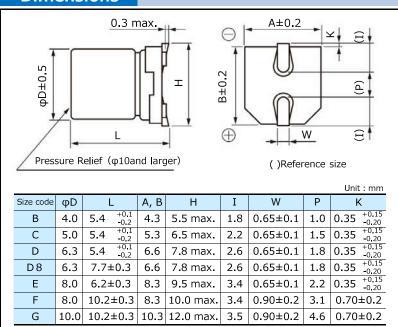
Frequency (Hz)



Dimensions

120

1.00



1 k

1.30

10 k to

1.70