

## Cosmos Electrolytic 500V

Inspired from and designs based on early American Wet Electrolytic capacitors used in audio amplifier, guitar amplifiers and pro audio applications.

uF	Voltage	Diameter		Length		Rated Oper. Temp.	Cat. No.
		Inches	mm	Inches	mm		
10	500V	0.492	12.97	1.5	38.1	85C	CA-M-500-106
22	500V	0.63	16	1.5	38.1	85C	CA-M-500-226
47	500V	0.875	22.23	1.625	41.28	105C	CA-F-500-476
100	500V	1	25.4	2.125	54	105C	CA-F-500-107



### 500VDC - 10uf

Cat. No.: CA-M-500-106  
 Capacitance: 10uf  
 Tolerance M: +/- 20%  
 Voltage: 500VDC  
 ESR: 11.96 Ω Max.  
 DF: 9.02 % Max.  
 DC Leakage: 170.0 μA max.  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.118 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.492" (12.5mm)  
 Length: 1.5" (38mm)



### 500VDC - 47uf

Cat. No.: CA-M-500-476  
 Capacitance: 47uf  
 Tolerance M: -10% - +50%  
 Voltage: 500VDC  
 ESR: 9.791 Ω Max.  
 DF: 34.70 % Max.  
 DC Leakage: 64 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.494 Amps @ 85C \*\*  
 Rated Operation Temperature: 85C  
 Diameter: 1.00" (25.4mm)  
 Length: 1.625" (41.3mm)



### 500VDC - 22uf

Cat. No.: CA-M-500-226  
 Capacitance: 22uf  
 Tolerance M: +/- 20%  
 Voltage: 500VDC  
 ESR: 7.74 Ω Max.  
 DF: 12.84 % Max.  
 DC Leakage: 350 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.173 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.63" (16mm)  
 Length: 1.5" (38mm)



### 500VDC - 100uf

Cat. No.: CA-M-500-107  
 Capacitance: 100uf  
 Tolerance M: -10% - +50%  
 Voltage: 500VDC  
 ESR: 4.552 Ω Max.  
 DF: 34.32 % Max.  
 DC Leakage: 93.5 μA max. after  
 5 minutes charge at rated voltage  
 Rated Operation Temperature: 85C  
 Ripple at 120Hz: 0.872 Amps @ 85C \*\*  
 Diameter: 1.00" (25.4mm)  
 Length: 2.125" (54mm)

\*Cosmos rated at 85°C, the ripple current is referenced from 85°C with a multiplier of 1. There are no multipliers for higher temperatures and lowering the temperature increases the allowable ripple current per the multiplier listed (e.g. 1.7 at 65°C).

\*\*Cosmos rated at 105°C also references 85°C for the ripple current. In this case, lowering the temperature to 65°C has a multiplier of 1.4, while increasing to 105°C has a multiplier of 0.40.



# Cosmos Electrolytic 350V

uF	Voltage	Diameter		Length		Rated Oper. Temp.	Cat. No.
		Inches	mm	Inches	mm		
100	350V	1	25.4	1.625	41.28	85C	CA-F-350-107

### 350V - 100uf

Cat. No.: CA-F-350-107

Capacitance: 100uf

Tolerance F: -10% +50%

Voltage: 350VDC

ESR: 1.60 Ω Max.

DF: 12.06 % Max.

DC Leakage: 1122.5 μA max. after  
5 minutes charge at rated voltage

Ripple at 120Hz: 0.499 Amps @ 65C \*

Rated Operation Temperature: 85C

Diameter: 1.00" (25.4mm)

Length: 1.625" (41.3mm)



\*Cosmos rated at 85°C, the ripple current is referenced from 85°C with a multiplier of 1. There are no multipliers for higher temperatures and lowering the temperature increases the allowable ripple current per the multiplier listed (e.g. 1.7 at 65°C).



## Cosmos Electrolytic 100V

uF	Voltage	Diameter		Length		Rated Oper. Temp.	Cat. No.
		Inches	mm	Inches	mm		
10	100V	0.25	6.35	0.69	17.93	85C	CA-M-100-106
47	100V	0.375	9.53	0.95	24.13	85C	CA-M100-476



### 100V - 10uf

Cat. No.: CA-M-100-106  
 Capacitance: 10uf  
 Tolerance M: +/- 20%  
 Voltage: 100VDC  
 ESR: 13.2 Ω Max.  
 DF: 9.95 % Max.  
 DC Leakage: 22.5 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.061 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.276" (6.3mm)  
 Length: 0.69" (17.5mm)



### 100V - 47uf

Cat. No.: CA-M-100-476  
 Capacitance: 47uf  
 Tolerance M: +/- 20%  
 Voltage: 100VDC  
 ESR: 3.3 Ω Max.  
 DF: 11.7 % Max.  
 DC Leakage: 57 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.173 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.374" (9.5mm)  
 Length: 0.945" (24mm)

\*Cosmos rated at 85°C, the ripple current is referenced from 85°C with a multiplier of 1. There are no multipliers for higher temperatures and lowering the temperature increases the allowable ripple current per the multiplier listed (e.g. 1.7 at 65°C).



# Cosmos Electrolytic 50V

uF	Voltage	Diameter		Length		Rated Oper. Temp.	Cat. No.
		Inches	mm	Inches	mm		
25	50V	0.315	8.00	0.69	17.50	85C	CA-M-050-256
33	50V	0.315	8.00	0.69	17.50	85C	CA-M-050-336
50	50V	0.315	8.00	0.81	20.58	85C	CA-M-050-506



### 50V - 25uf

Cat. No.: CA-M-050-256  
 Capacitance: 25uf  
 Tolerance M: +/- 20%  
 Voltage: 50VDC  
 ESR: 15.19 Ω Max.  
 DF: 28.63 % Max.  
 DC Leakage: 22.5 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.121 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.315" (8mm)  
 Length: 0.69" (17.5mm)



### 50V - 50uf

Cat. No.: CA-M-050-506  
 Capacitance: 50uf  
 Tolerance M: +/- 20%  
 Voltage: 50VDC  
 ESR: 2.637 Ω Max.  
 DF: 9.94 % Max.  
 DC Leakage: 35 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.176 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.315" (8mm)  
 Length: 0.807" (20.5mm)



### 50V - 33uf

Cat. No.: CA-M-050-336  
 Capacitance: 33uf  
 Tolerance M: +/- 20%  
 Voltage: 50VDC  
 ESR: 3.98 Ω Max.  
 DF: 9.90 % Max.  
 DC Leakage: 26.5 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.124 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.315" (8mm)  
 Length: 0.69" (17.5mm)

\*Cosmos rated at 85°C, the ripple current is referenced from 85°C with a multiplier of 1. There are no multipliers for higher temperatures and lowering the temperature increases the allowable ripple current per the multiplier listed (e.g. 1.7 at 65°C).



# Cosmos Electrolytic 25V

uF	Voltage	Diameter		Length		Rated Oper. Temp.	Cat. No.
		Inches	mm	Inches	mm		
25	25V	0.25	6.35	0.512	13	85C	CA-M-025-256
100	25V	0.315	8	0.81	20.58	85C	CA-M-025-107
250	25V	0.375	9.53	0.945	24	85C	CA-M-025-257



### 25V - 25uf

Cat. No.: CA-M-025-256  
 Capacitance: 25uf  
 Tolerance M: +/- 20%  
 Voltage: 25VDC  
 ESR: 18.60 Ω Max.  
 DF: 35.06 % Max.  
 DC Leakage: 16.2 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.080 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.248" (6.3mm)  
 Length: 0.512" (13mm)



### 25V - 250uf

Cat. No.: CA-M-025-257  
 Capacitance: 250uf  
 Tolerance M: +/- 20%  
 Voltage: 25VDC  
 ESR: 1.764 Ω Max.  
 DF: 33.25 % Max.  
 DC Leakage: 72.5 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.408 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.374" (9.5mm)  
 Length: 0.945" (24mm)



### 25V - 100uf

Cat. No.: CA-M-025-107  
 Capacitance: 100uf  
 Tolerance M: +/- 20%  
 Voltage: 25VDC  
 ESR: 3.520 Ω Max.  
 DF: 26.54 % Max.  
 DC Leakage: 35.0 μA max. after  
 5 minutes charge at rated voltage  
 Ripple at 120Hz: 0.218 Amps @ 65C \*  
 Rated Operation Temperature: 85C  
 Diameter: 0.315" (8mm)  
 Length: 0.81" (24mm)

\*Cosmos rated at 85°C, the ripple current is referenced from 85°C with a multiplier of 1. There are no multipliers for higher temperatures and lowering the temperature increases the allowable ripple current per the multiplier listed (e.g. 1.7 at 65°C).

