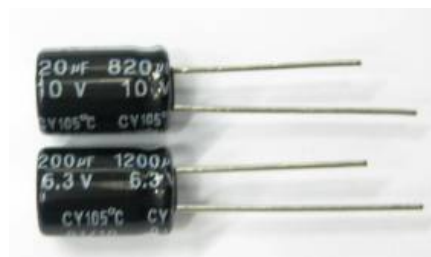


CY

- Features: 105°C, 2000hrs, Low ESR & large capacitance
- Recommended Applications: Used switching regulator applications in computer. Especially for high frequency.



Item	Characteristics										
Category Temperature Range	-55 ~ +105℃										
Rated Voltage Range	6.3 ~16VDC										
Rated Capacitance Range	150 ~ 1800 μ F										
Capacitance Tolerance	±20% at 120Hz , 20℃										
Surge Voltage	Rated voltage (V) x 1.15										
Leakage Current (MAX) (20℃)	I ≤ 0.2 CV (After rated voltage applied for 2 minutes) I= Leakage Current (μA) C= Nominal Capacitance (μF) V= Rated Voltage (V)										
Dissipation Factor (MAX) (tan δ) (120Hz ,20℃)	<table border="1"> <tr> <td>WV</td><td>6.3 ~ 16V</td></tr> <tr> <td>tan δ</td><td>0.08</td></tr> </table>	WV	6.3 ~ 16V	tan δ	0.08						
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Low Temperature Stability Impedance Ratio (MAX) (20℃)	<table border="1"> <tr> <td>WV</td><td>6.3 ~ 16V</td></tr> <tr> <td>Z(100KHz)</td><td></td></tr> <tr> <td>Z-25℃ / Z+20℃</td><td>≤ 1.15</td></tr> <tr> <td>Z-55℃ / Z+20℃</td><td>≤ 1.25</td></tr> </table>	WV	6.3 ~ 16V	Z(100KHz)		Z-25℃ / Z+20℃	≤ 1.15	Z-55℃ / Z+20℃	≤ 1.25		
WV	6.3 ~ 16V										
Z(100KHz)											
Z-25℃ / Z+20℃	≤ 1.15										
Z-55℃ / Z+20℃	≤ 1.25										
Endurance	After applying rated voltage for 2000 hours at 105℃ , the capacitor shall meet the following requirement. <table border="1"> <tr> <td>Appearance</td><td>No significant damage</td></tr> <tr> <td>Capacitance Change</td><td>Within ±20% of the initial value</td></tr> <tr> <td>Dissipation Factor</td><td>Not more than 150% of the initial specified value</td></tr> <tr> <td>Equivalent Series Resistance</td><td>Not more than 150% of the initial specified value</td></tr> <tr> <td>Leakage Current</td><td>Not more than the initial specified value</td></tr> </table>	Appearance	No significant damage	Capacitance Change	Within ±20% of the initial value	Dissipation Factor	Not more than 150% of the initial specified value	Equivalent Series Resistance	Not more than 150% of the initial specified value	Leakage Current	Not more than the initial specified value
Appearance	No significant damage										
Capacitance Change	Within ±20% of the initial value										
Dissipation Factor	Not more than 150% of the initial specified value										
Equivalent Series Resistance	Not more than 150% of the initial specified value										
Leakage Current	Not more than the initial specified value										
Humidity Test	After subjecting 90 to 95% RH for 1000 hours at 60℃ . the capacitors shall meet the requirement as Endurance.										
Surge Voltage Test	After subjecting to 1,000 cycles each consisting of charge with the surge voltage specified at normal temperature for 30 seconds through a protective resistor and discharge for 5 minutes 30 seconds, the capacitors shall meet the requirement as Endurance.										
Failure Rate (MAX)	0.5% per 1,000 hours (confidence level 60% at 105℃)										

Size code	$\phi D \times L$	P	ϕd	a
E08	6.3X8	2.5	0.6	1.0
G08	8X8	3.5	0.6	1.5
G1B	8X11.5	3.5	0.6	1.0
H1C	10X12.5	5.0	0.6	1.0

Frequency (Hz)	$120 \leq f < 1K$	$1K \leq f < 10K$	$10K \leq f < 100K$	$100K \leq f \leq 500K$
Coefficient	0.05	0.3	0.7	1

CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

CY

Large capacitance
Series

- Features: 105℃,2000hrs, Low ESR & large capacitance
- Recommended Applications: Used switching regulator applications in computer.
Especially for high frequency.

■ Dimensions, Rated Ripple Current, Equivalent Series Resistance

Capacitance (uF)	Rated Voltage								
	6.3V			10V			16V		
	SIZE	RIPPLE	ESR	SIZE	RIPPLE	ESR	SIZE	RIPPLE	ESR
150							6.3X8	2820	30
180							6.3X8	2820	30
220				6.3X8	2820	30	8X8	4500	20
270	6.3X8	3000	30	6.3X8	2820	30	8X8	4500	20
							8X11.5	5000	12
330	6.3X8	3000	30	6.3X8	2820	30	8X8	4500	20
							8X11.5	5000	12
470	6.3X8	3000	30	8X8	4500	20	8X11.5	5000	12
560	8X8	5000	20	8X8	4500	20	10X12.5	5600	14
				8X11.5	5000	12			
680	8X8	5000	20	8X11.5	5000	12	10X12.5	5600	14
820	8X8	5000	20	8X11.5	5000	12	10X12.5	5600	14
	8X11.5	5600	12						
1000	8X11.5	5600	12	10X12.5	5600	10			
1200	8X11.5	5600	12	10X12.5	5600	10			
1500	10X12.5	6100	10						
1800	10X12.5	6100	10						

☆ SIZE : ϕ DxL(mm) ☆ $\tan \delta$:20℃,120Hz. ☆Ripple Current:(mA/rms),105℃ .100KHz ☆ ESR(m Ω).20℃.100KHz