



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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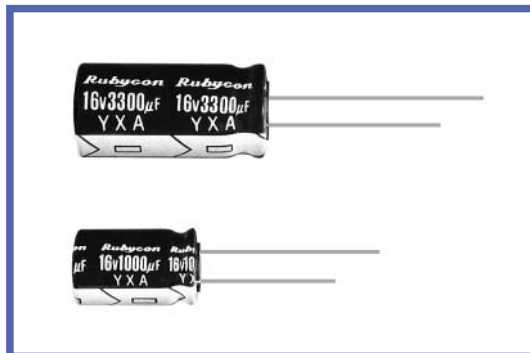


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

YXA

YXA SERIES

Previous Series



105°C Standard

◆FEATURES

- RoHS compliance.

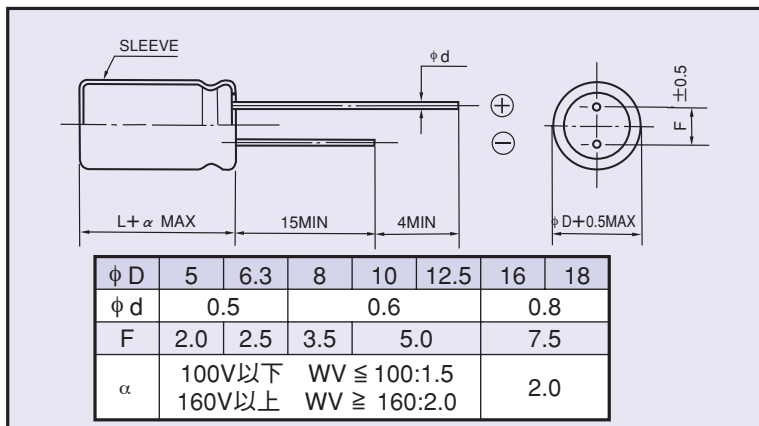
◆SPECIFICATIONS

Items	特 性 Characteristics										
Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C								
Rated Voltage Range	6.3~100V.DC	160~250V.DC	350~450V.DC								
Capacitance Tolerance	±20% (20°C, 120Hz)										
Leakage Current(MAX)	6.3~100V.DC		160~450V.DC								
	I=0.01CV or 3 µA whichever is greater. (After 2 minutes application of rated voltage)		CV ≤ 1000								
			CV > 1000								
		I=0.1CV+40 µA (1minute)	I=0.04CV+100 µA (1minute)								
		I=0.03CV+15 µA (5minutes)	I=0.02CV+25 µA (5minutes)								
I=Leakage Current(µA) C=Rated Capacitance(µF) V=Rated Voltage(V)											
(tanδ) Dissipation Factor(MAX)	Rated Voltage (V)	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450	(20°C, 120Hz)								
	tan δ	0.26 0.22 0.18 0.16 0.14 0.12 0.10 0.08 0.20 0.20 0.20 0.24 0.24 0.24									
When rated capacitance is over 1000 µF, tan δ shall be added 0.02 to the listed value with increase of every 1000 µF.											
Endurance	After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.										
	Capacitance Change	Within ±25% of the initial value.	<table border="1"> <tr> <th>Case Size</th> <th>Life Time (hrs)</th> </tr> <tr> <td>φ D ≤ 8</td> <td>1000</td> </tr> <tr> <td>φ D = 10</td> <td>2000</td> </tr> <tr> <td>φ D ≥ 12.5</td> <td>3000</td> </tr> </table>	Case Size	Life Time (hrs)	φ D ≤ 8	1000	φ D = 10	2000	φ D ≥ 12.5	3000
	Case Size	Life Time (hrs)									
φ D ≤ 8	1000										
φ D = 10	2000										
φ D ≥ 12.5	3000										
Dissipation Factor	Not more than 200% of the specified value.										
Leakage Current	Not more than the specified value.										
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V)	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450	(120Hz)								
	Z(-25°C)/Z(20°C)	4 3 2 2 2 2 2 2 3 3 3 6 6 6									
	Z(-40°C)/Z(20°C)	8 6 4 4 3 3 3 3 - - - - -									

◆DIMENSIONS

(mm)

◆MULTIPLIER FOR RIPPLE CURRENT



Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k ≤
Coefficient	0.1~1 µF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7 µF	0.65	1.00	1.20	1.30	1.50
	10~47 µF	0.80	1.00	1.20	1.30	1.50
	100~1000 µF	0.80	1.00	1.10	1.15	1.20
	2200~22000 µF	0.80	1.00	1.05	1.10	1.15

◆PART NUMBER

□□□ YXA □□□□□ □ □□□ □□ DXL
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size

