

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

YXA

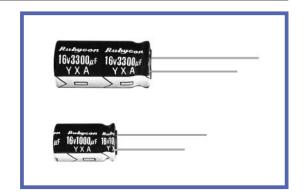


Previous Series

105°C Standard

◆FEATURES

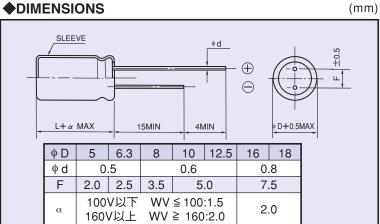
• RoHS compliance.



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)											
	6.3~100V.D0	С					16	0~45	50V.E	C		
					(CV ≦1	1000			CV	>1000	
Leakage Current(MAX)	I =0.01CV or 3 μ A whicheve (After 2 minutes application o		I=	:0.1C\	/+40 ա	A (1minu	te)	I=0.0	4CV+	100 μA (1minute)		
	(7 ittel 2 militates application o	I=	:0.03C	V+15 į	μΑ (5mir	utes) I=0.02CV+25 μA (5minutes)			25 μA (5minutes)			
	I=Leakage Current(μ A) C:	=Rated C	apac	itance	e(μF)	V=I	Rated	Voltag	e(V)		
(1 - 2)	Rated Voltage 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (20°C, 120Hz)											
(tanδ) Dissipation Factor(MAX)	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 μ F, tan δ shall be added 0.02 to the listed value with increase of every 1000 μ F.											
	After life test with rated ripple current a	t conditions s	tated in th	e table	e belov	w, the c	apacitors	shall r	neet th	e follov	ving requirements.	
Endurance	Capacitance Change V	Vithin ±25%	of the in	nitial v	tial value.			Case Size			Life Time (hrs)	
Endurance	Dissipation Factor	Not more tha	of the	the specified value.			-	φ D ≦8		1000		
	Leakage Current N	n the spe	acified value				-	φ D=10 Φ D≧ 12.5		2000		
	Leakage Current Not more than the specified value.									2.5	3000	
Low Temperature Stability	(V)	16 25 3	5 50		100	160 2	200 250	350	400	450	(120Hz)	
Impedance Ratio(MAX)		2 2 2 4 4 3		2	2	-	3 3	6	6	6		
	Z(-40 C)/Z(20 C) 0 6	4 4 3) 3	<u>ی</u>	<u>ی</u>							

◆DIMENSIONS



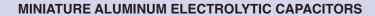
♦MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequ	uency (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





◆TANDARD SIZE

Size ϕ D×L(mm), Ripple Current (mA r.m.s./105°C, 120Hz)

WV (V.DC)	6.3 (0J)		10 (1A)		16 (1C)	25 (1E)		35 (1V)		50 (1H)		63 (1J)		
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1								1		1	5 X 11	1		1
0.15				!						! !	5×11	1.5		-
0.22										 - -	5×11	2.5		
0.33											5×11	4		
0.47						1				 	5 × 11	7		
1											5×11	13		
2.2											5 × 11	20		
3.3											5×11	25		
4.7											5×11	32		
10											5×11	47	5×11	48
22									5 × 11	64	5 × 11	70	5 X 11	80
33							5 × 11	69	5×11	77	5×11	94	6.3×11	100
47					5 × 11	80	5 × 11	84	5×11	100	6.3×11	115	6.3×11	140
100	5 × 11	96	5 × 11	105	5 × 11	130	6.3×11	140	6.3×11	170	8 × 11.5	200	10×12.5	230
220	5 × 11	160	6.3×11	175	6.3×11	220	8 X 11.5	240	10×12.5	300	10×12.5	360	10×16	390
330	6.3×11	210	6.3×11	235	8 × 11.5	270	10×12.5	335	10×12.5	400	10×16	470	10 × 20	540
470	6.3×11	275	8 × 11.5	295	8×11.5	375	10×12.5	440	10×16	525	10×20	600	12.5 × 20	700
1000	8×11.5	460	10×12.5	540	10×16	640	10×20	740	12.5×20	865	12.5×25	1060	16×25	1200
2200	10×20	775	10×20	860	12.5 × 20	1050	12.5 × 25	1230	16×25	1370	16 × 35.5	1600	18×35.5	1650
3300	10×20	985	12.5 × 20	1100	12.5 × 25	1300	16 × 25	1500	16 × 35.5	1680	18 × 35.5	1780		
4700	12.5 × 20	1150	12.5 × 25	1350	16 × 25	1650	16 × 31.5	1800	18 × 35.5	1920				
6800	12.5 × 25	1480	16×25	1700	16 × 31.5	1900	18 × 35.5	2050						
10000	16×25	1700	16 × 35.5	1950	18 × 35.5	2070								
15000	16×35.5	2090	18 × 35.5	2180						!				
22000	18 × 40	2350						! !		! !				

WV (V.DC)	100 (2A)		160 (2C)		200 250 (2D) (2E)		350 (2V)		400 (2G)		450 (2W)			
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47	5 X 11	8		!		!	6.3×11	8	6.3×11	8		 		
1	5×11	15					6.3×11	16	6.3×11	16	6.3×11	16	8×11.5	15
2.2	5 X 11	21					6.3 × 11	30	8 X 11.5	31	10 × 12.5	31	10 × 12.5	25
3.3	5 X 11	30			6.3 × 11	36	8 × 11.5	43	10×12.5	45	10×12.5	41	10×16	33
4.7	5×11	35	6.3×11	43	8 × 11.5	50	8 × 11.5	53	10×12.5	55	10×16	55	10 × 20	42
10	5 X 11	60	8×11.5	77	10×12.5	80	10×16	90	10 × 20	95	12.5 × 20	85	12.5 X 20	67
22	6.3×11	98	10×16	125	10×20	135	12.5 X 20	150	12.5 × 25	175	12.5 × 25	170	16 × 25	115
33	8 X 11.5	140	10×20	170	12.5 × 20	200	12.5 × 20	200	16 X 25	220	16 X 25	220	16 × 31.5	155
47	10 × 12.5	185	12.5 × 20	210	12.5 × 20	220	12.5 × 25	240	16 × 31.5	260	16 × 31.5	275	16 × 35.5	185
100	10×20	290	12.5 × 25	320	16 × 25	340	16 × 31.5	400	18 × 40	415	18 × 40	415		
220	12.5 X 25	560	16 × 35.5	580	18×35.5	580								
330	12.5 × 25	690	18 × 35.5	700	_				_					
470	16 × 25	880				1		1		1		1		
1000	18×40	985												-