

Aluminum Electrolytic Capacitors

YUSCON®

TX Series

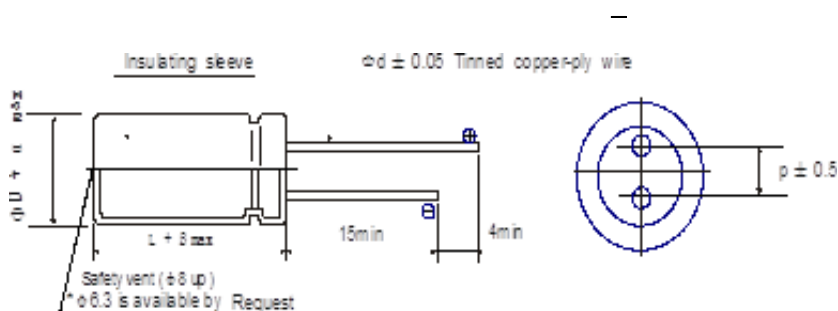
- Load Life: 105°C 2000hours, Miniaturized.
- Body diameter of Φ8mm to Φ13mm with high ripple current capability.
- For slim sized adaptor, LCD/LED-TV and LCD-Monitor power.
- Rohs compliance.



◆ SPECIFICATIONS

Item	Characteristics						
Operating Temperature Range	-25 ~ +105℃						
Voltage Range	200 ~450 V.DC						
Nominal Cap. Range	12~ 150 μF						
Capacitance Tolerance	- 20% ~ + 20% (at 20℃, 120Hz)						
Leakage Current	I = 0.03CV +1 5(μA) whichever is greater.(after 5 minutes) where,I: Max Leakage Current(μA), C: Nominal Capacitance(μF), V: Rated Voltage(V) (at 20℃)						
Dissipation Factor (tanδ) (at 120Hz, +20℃)	WV	200	220	250	400	420	450
	tanδ	0.2	0.2	0.2	0.2	0.25	0.25
Low Temp. Impedance Stability at 120Hz	W.V.			200	220	250	400 ~ 450
	Z(-25℃)/Z(+20℃)			3	3	3	8
High Temp. Load Test	After 2000 hours,application of DC rated working voltage at 105℃, the capacitor shall meet the following limits . Capacitance change ... ≦ ±20% of the initial measured value Tan δ ...≦ 200% of the initial specified value DC leakage current ...≦ the initial specified value						
High Temp. Non-Load Test	After storage for 1000 hours at 105℃ with no voltage applied ,voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made ,at which time requirements specified in the table "High temperature loading " can be met.						

◆ DRAWING



ΦD	8	10	13
P	3.5	5.0	5.0
φd	0.6	0.6	0.6
β	+2.5		
α	+0.5		

▼ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Cap(μF)	Freq.(HZ)	60(50)	120	500	1K	10Kup
Coefficient	200~250WV	0.80	1.0	1.20	1.30	1.40
	400~450WV	0.80	1.0	1.25	1.40	1.50

◆ PART NUMBERING SYSTEM

TX	□□□	□	□□□	□	□□
Series	Rated Cap.	Cap. Tolerance	Rated Voltage	Case Size D	Case Size L

TX

STANDARD RATINGS

WV(V) Cap(μF)	200		220		250		400		420		450	
	ΦDXL	Ripple	ΦDXL	Ripple	ΦDXL	Ripple	ΦDXL	Ripple	ΦDXL	Ripple	ΦDXL	Ripple
12							8x30	130	8x30	130	8x30	135
15							8x30	170	8x30	150	8x35	150
18							8x35	190	8x45	190	8x45	200
22					8x30	200	8x35	220	8x35	195	8x45	200
											10x30	200
27					8x30	220	8x40	255	8x40	230	8x45	230
							10x30	255	10x30	240	10x30	220
33					8x30	240	8x45	280	8x50	300		
							10x30	280	10x35	290	10x35	255
39					8x35	270	8x50	330				
							10x35	330	10x40	315	10x40	300
									13x30	315	13x35	300
47					8x40	330						
							10x40	430	10x40	360	10x50	390
							13x30	430	13x30	360	13x40	390
56					10x35	380	10x50	480	10x50	440		
							13x30	450	13x30	400	13x35	420
68					10x35	435	10x50	500				
							13x35	520	13x40	520	13x45	550
82					10x40	500						
							13x40	580	13x45	580	13x45	570
100	10x40	530	10x40	510	10x45	585	13850	650	13x50	620		
120	10x45	585	10x45	565								
					13x35	620	13x55	750				
150	10x50	600										
			13x35	620	13x40	670						

Please check with us about individual WV,CAP.,size and dimensions.

Size ΦDXL(mm)
Ripple Current(mAr.m.s)at 105℃,120Hz.