

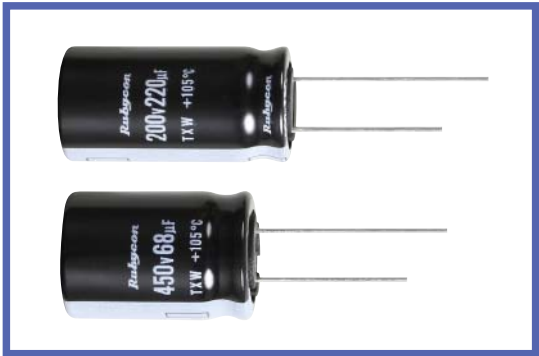


TXW SERIES

UPGRADE

◆FEATURES

- Load Life : 105°C 10000 hours.
- Body diameter of ϕ 10mm to ϕ 18mm with high ripple current capability.
- Smaller size than the current VXW series.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-25 ~ +105°C		
Rated Voltage Range	200~450V.DC		
Capacitance Tolerance	± 20%(20°C,120Hz)		
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I =Leakage Current(μ A) C =Rated Capacitance(μ F) V =Rated Voltage(V)		
Dissipation Factor(MAX) (tan δ)	Rated Voltage (V)	200~400 420~450	(20°C,120Hz)
	tan δ	0.2 0.25	
Endurance	After applying rated voltage with rated ripple current for 10000hrs at 105°C, the capacitors shall meet the following requirements.		
	Capacitance Change	Within ± 20% of the initial value.	
	Dissipation Factor	Not more than 200% of the specified value.	
	Leakage Current	Not more than the specified value.	
Impedance Ratio(MAX)	Rated Voltage (V)	200~250 400~450	(120Hz)
	Z(-25°C)/Z(20°C)	3 8	

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	200~250WV	0.8	1.0	1.20	1.30	1.40
	400~450WV	0.8	1.0	1.25	1.40	1.50

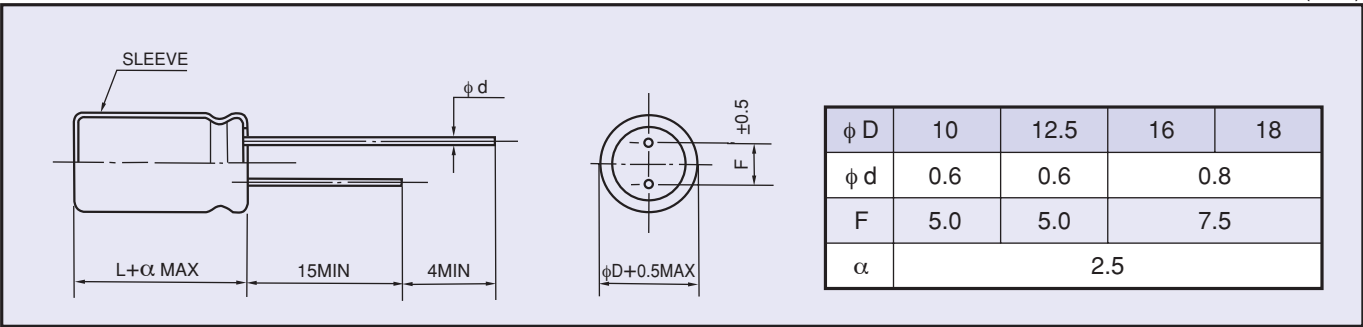
◆PART NUMBER

TXW D $\times$ L
Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size



◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Cap (μF)	WV		200								220							
	φD		φ 10		φ 12.5		φ 16		φ 18		φ 10		φ 12.5		φ 16		φ 18	
100			10×40	0.63							10×40	0.66						
120			10×45	0.75							10×45	0.75	12.5×30	0.74				
150			10×50	0.83	12.5×30	0.80							12.5×35	0.86	16×25	0.80		
180					12.5×35	0.92	16×25	0.85					12.5×40	0.99	16×30	0.94		
220					12.5×45	1.09	16×30	1.01	18×25	1.00			12.5×50	1.08	16×30	1.01	18×25	0.94
270					12.5×50	1.26	16×30	1.18	18×30	1.16					16×35	1.19	18×30	1.13
330							16×40	1.31	18×30	1.30							18×35	1.30
390									18×35	1.43							18×40	1.49
470									18×40	1.58							18×45	1.69
560									18×45	1.77								

Cap (μF)	WV		250								400							
	φD		φ 10		φ 12.5		φ 16		φ 18		φ 10		φ 12.5		φ 16		φ 18	
39											10×40	0.40						
47											10×45	0.45	12.5×30	0.44				
56											10×50	0.52	12.5×35	0.50				
68													12.5×40	0.58	16×25	0.51		
82			10×40	0.61									12.5×45	0.65	16×30	0.61	18×25	0.61
100			10×45	0.68	12.5×30	0.69									16×35	0.74	18×30	0.74
120					12.5×35	0.79	16×25	0.74							16×40	0.80	18×35	0.79
150					12.5×40	0.92	16×30	0.89									18×40	0.91
180					12.5×50	0.97	16×30	0.95	18×25	0.88							18×45	1.04
220							16×35	1.11	18×30	1.10								
270							16×40	1.27	18×35	1.23								
330									18×40	1.42								
390									18×45	1.59								

Cap (μF)	WV		420								450							
	φD		φ 10		φ 12.5		φ 16		φ 18		φ 10		φ 12.5		φ 16		φ 18	
33			10×40	0.37							10×40	0.36	12.5×30	0.37				
39			10×45	0.41	12.5×30	0.39					10×50	0.41	12.5×35	0.42				
47					12.5×35	0.45							12.5×40	0.48	16×25	0.44		
56					12.5×40	0.52	16×25	0.46					12.5×45	0.53	16×30	0.51		
68					12.5×45	0.58	16×30	0.55					12.5×50	0.62	16×35	0.59	18×25	0.57
82					12.5×50	0.66	16×35	0.63	18×25	0.56					16×40	0.68	18×30	0.65
100							16×40	0.73	18×30	0.67							18×35	0.74
120									18×35	0.77							18×40	0.83
150									18×40	0.90							18×45	0.95

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

Size φ D×L(mm)

Ripple Current (A r.m.s./105°C, 120Hz)