

TXW SERIES
NEW
◆FEATURES

- Load Life : 105°C 10000 hours.
- Body diameter of ϕ 12.5mm 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℃								
Rated Voltage Range	200~450V.DC								
Capacitance Tolerance	±20% (20℃, 120Hz)								
Leakage Current(MAX)	I=3√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)	<table border="1"><tr><td>Rated Voltage (V)</td><td>200~400</td><td>420~450</td></tr><tr><td>tan δ</td><td>0.2</td><td>0.25</td></tr></table> (20℃, 120Hz)			Rated Voltage (V)	200~400	420~450	tan δ	0.2	0.25
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Endurance	After applying rated voltage with rated ripple current for 10000hrs at 105℃, the capacitors shall meet the following requirements. <table border="1"><tr><td>Capacitance Change</td><td>Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>			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.
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Impedance Ratio(MAX)	<table border="1"><tr><td>Rated Voltage (V)</td><td>200~250</td><td>400~450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>8</td></tr></table> (120Hz)			Rated Voltage (V)	200~250	400~450	Z(-25℃)/Z(20℃)	3	8
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◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

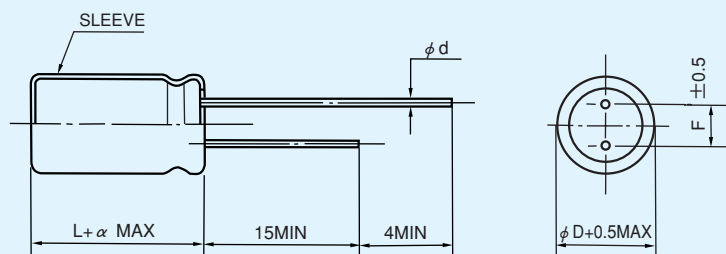
Frequency (Hz)		60 (50)	120	500	1k	10k $\leq$
Coefficient	200~250WV	0.8	1.0	1.20	1.30	1.40
	400~450WV	0.8	1.0	1.25	1.40	1.50

◆PART NUMBER

Rated Voltage	TXW Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	D×L Case Size	

◆ DIMENSIONS

(mm)



ϕ D	12.5	16	18
ϕ d	0.6	0.8	
F	5.0	7.5	
α	2.5		

◆ STANDARD SIZE, RATED RIPPLE CURRENT

Cap (μF)	WV ϕD	200						220					
		$\phi 12.5$		$\phi 16$		$\phi 18$		$\phi 12.5$		$\phi 16$		$\phi 18$	
100													
120								12.5×30	0.74				
150		12.5×30	0.80					12.5×35	0.86	16×25	0.80		
180		12.5×35	0.92	16×25	0.85					16×30	0.94		
220				16×30	1.01	18×25	1.00			16×30	1.01	18×25	0.94
270				16×35	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 ϕD	250						400					
		$\phi 12.5$		$\phi 16$		$\phi 18$		$\phi 12.5$		$\phi 16$		$\phi 18$	
47								12.5×30	0.44				
56								12.5×35	0.50				
68								12.5×40	0.58	16×25	0.51		
82										16×30	0.61	18×25	0.61
100		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				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 ϕD	420						450					
		$\phi 12.5$		$\phi 16$		$\phi 18$		$\phi 12.5$		$\phi 16$		$\phi 18$	
33								12.5×30	0.37				
39		12.5×30	0.39					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					16×30	0.51		
68				16×30	0.55					16×35	0.59	18×25	0.57
82				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 $\phi D \times L$ (mm) ↑
 Ripple Current (A r.m.s./120°C, 105Hz) ↑