

WT Series
Features

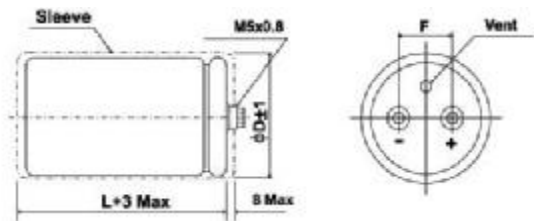
- ◆ High ripple current, Large capacity , 2000 hours at 105℃ .
- ◆ Screw Type, Standard.
- ◆ RoHS Compliant .



Specifications

Item	Performance Characteristics	
Temperature Range	-40~+105℃	-25~+105℃
Rated Voltage Range	25~100Vdc	160~450Vdc
Capacitance Range	330~680000μF	
Capacitance Tolerance	±20% (120Hz, +20℃)	
Leakage Current (+20℃,max.)	$I \leq 3 \sqrt{CV}$ (μA) (After 5 minute application of rated voltage at +20℃)	
Dissipation Factor(tgδ) 120Hz, +20℃	Less than the value specified in the standard products table.	
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements.	
	Capacitance Change	Within ±20% of the initial value
	Dissipation Factor	No more than 200% of the specification value
	Leakage Current	No more than the specification value
Shelf Life	After storing the capacitors under no load at 105℃ for 1000 hours, the characters shall meet the following requirements.	
	Capacitance Change	Within ±20% of the initial value
	Dissipation Factor	No more than 200% of the specification value
	Leakage Current	No more than 200% of the specification value
Others	JISC-5101(IEC 60384)	

Dimensions



ΦD	35	50.8	63.5	76	89
F	13	22	28	32	32

Frequency coefficient

Freq(Hz) WV(V)	50	120	1K	10K
25~450	0.80	1.00	1.25	1.40

WT Series

Case size & Maximum permissible ripple current

Cap \ WV ΦD	25			35		
	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)
10000				35×50	3.70	0.30
15000	35×50	4.20	0.35	35×60	4.50	0.30
22000	35×60	5.10	0.50	35×80	5.50	0.40
33000	35×70	6.30	0.50	35×90	6.70	0.60
47000	50.8×70	8.00	0.80	50.8×80	8.10	0.60
68000	50.8×80	10.00	0.80	50.8×90	10.00	0.80
100000	50.8×100	11.30	1.00	50.8×120	12.10	0.80
150000	50.8×120	12.90	1.00	63.5×115	13.80	1.00
220000	63.5×110	14.80	1.20	76×115	17.60	1.00
330000	76×120	19.90	1.20	76×180	23.00	1.20
470000	76×150	26.00	1.20	89×190	29.70	1.20
680000	89×220	33.60	1.20			

Cap \ WV ΦD	50			63		
	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)
4700				35×50	3.10	
6800	35×50	3.40	0.30	35×60	3.70	0.25
10000	35×60	4.10	0.30	35×70	4.40	0.25
15000	35×80	4.90	0.50	50.8×70	5.70	0.40
22000	50.8×70	5.90	0.50	50.8×80	6.80	0.40
33000	50.8×80	7.80	0.50	50.8×100	9.20	0.50
47000	50.8×90	9.50	0.60	50.8×130	10.90	0.50
68000	50.8×130	11.60	0.60	63.5×115	13.00	0.50
100000	63.5×100	14.10	0.80	63.5×160	17.20	0.60
150000	76×120	18.90	0.80	76×170	22.40	0.60
220000	89×130	24.70	0.80	89×170	29.10	0.60
330000	89×170	31.90	0.80			

Cap \ WV ΦD	80			100		
	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)
2200				35×50	2.50	0.20
3300				35×60	3.00	0.25
4700	35×50	3.60	0.25	35×70	3.90	0.25
6800	35×60	4.00	0.25	35×90	5.00	0.25
10000	50.8×60	5.20	0.30	50.8×80	6.50	0.25
15000	50.8×70	6.20	0.30	50.8×105	7.60	0.25
22000	50.8×90	8.20	0.40	63.5×100	9.70	0.25
33000	50.8×105	9.70	0.40	63.5×130	11.80	0.30
47000	63.5×115	12.50	0.40	76×140	15.00	0.30
68000	76×115	16.40	0.40	89×140	19.60	0.35
100000	76×160	21.40	0.40	89×190	25.30	0.35
150000	89×155	27.70	0.45	89×240	28.50	0.35
220000	89×220	35.30	0.50			

WT Series**Case size & Maximum permissible ripple current**

Cap \ WV ΦD	160			200		
	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)
1000				35×50	1.70	0.25
1500	35×60	2.00	0.25	35×70	2.20	0.25
2200	35×80	2.70	0.25	35×90	3.70	0.25
3300	50.8×70	3.50	0.25	50.8×80	4.10	0.25
4700	50.8×80	4.40	0.25	50.8×105	4.90	0.25
6800	50.8×100	5.90	0.25	63.5×100	6.30	0.25
10000	63.5×100	7.60	0.25	63.5×140	8.10	0.25
15000	63.5×130	10.30	0.25	76×150	10.90	0.25
22000	76×140	13.20	0.25	89×140	11.70	0.25
33000	89×140	14.20	0.25	89×200	18.40	0.25
47000	89×190	22.30	0.25			

Cap \ WV ΦD	250			350		
	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)
330					2.20	0.20
470				35×60	2.80	0.20
680	35×50	1.40	0.25	35×80	3.40	0.20
1000	35×60	1.90	0.25	50.8×60	3.90	0.20
1500	35×80	2.30	0.25	50.8×80	5.20	0.20
2200	50.8×70	3.70	0.25	50.8×105	7.10	0.20
3300	50.8×90	4.20	0.25	63.5×105	9.10	0.20
4700	50.8×110	5.40	0.25	76×115	12.20	0.20
6800	63.5×115	6.90	0.25	76×145	15.50	0.20
10000	76×130	9.30	0.25	89×150	19.90	0.20
15000	76×180	12.20	0.25	89×210	28.80	0.20
22000	89×170	16.70	0.25			
33000	89×240	21.40	0.25			

Cap \ WV ΦD	400			450		
	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)	Case Size D×L (mm)	Ripple Current (A)	tanδ (MAX)
330					1.50	0.25
390	35×50	1.60	0.20	35×70	1.80	0.25
470	35×60	1.80	0.20	35×80	2.10	0.25
680	35×80	2.00	0.20	50.8×60	2.70	0.25
820	35×90	2.30	0.20	50.8×70	3.50	0.25
1000	50.8×70	2.50	0.20	50.8×80	4.20	0.25
1500	50.8×90	3.60	0.20	50.8×100	5.70	0.25
2200	63.5×90	4.50	0.20	63.5×100	7.30	0.25
3300	63.5×115	6.20	0.20	63.5×120	10.10	0.25
4700	76×130	8.70	0.20	76×140	12.60	0.25
6800	76×160	10.70	0.20	89×150	15.40	0.25
10000	89×180	14.10	0.20	89×200	18.0	0.25

Size ΦD×L (mm), Ripple Current (A r.m.s. /105℃ 120Hz) .

Above size is the standard size for our product. If you need special size please contact our sales offices .