WTH series

Wide temperature | RoHS compliant

- ●150℃ 1,000Hrs assured.
- ● Long life, Wide temperature
- ● For Ballaster, LED Lighting power
- ● RoHS compliant
- ● Halogen-free capacitors are also available.

WTD ⟹ WTH

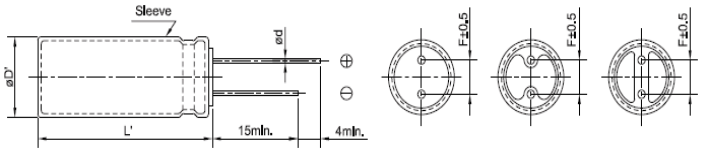
High temperature

■ Specifications

Item	Characteristics
Rated Voltage Range	10 ~ 50 Vdc
Operating Temperature Range	-55 ~ +150℃
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)
Leakage Current	I=0.03CV(μA) or 4uA whichever is greater Where, I:Max. Leakage current(μA), C:Nominal capacitance(μF), V:Rated voltage(Vdc) (at 20℃, 1minutes)
Dissipation Factor(Tanδ)	Rated voltage (Vdc): 10 / 16 / 25 / 35 / 50 Tanδ (max.): 0.24 / 0.20 / 0.16 / 0.14 / 0.12 (at 20℃, 120Hz)
Temperature characteristics (Max,impedance ratio)	Rated voltage (Vdc): 10 / 16 / 25 / 35 / 50 Z(-25℃)/Z(20℃): 3 / 2 / 2 / 2 / 2 Z(-40℃)/Z(20℃): 6 / 4 / 4 / 4 / 4 (at 120Hz)
Load life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for specified life times 1,000hrs at 150℃ Capacitance change ≤±30%of the initial value Tan δ ≤300% of the initial specified value Leakage current ≤The initial specified value
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 125℃ without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤±30% of the initial value Tanδ ≤300% of the initial specified value Leakage current ≤200%The initial specified value

■Dimensions

Unit(mm)



ØD	10	12.5	16
Ød	0.6	0.6	0.8
F	5.0	5.0	7.5
ØD'	ØD+0.5 max.		
L'	L+2.0 max		

- ● Printed gold color letter on PET black sleeve

■Code numbering system

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

W T H □ □ □ M □ □ □ □ □ □ □ □ □ □ □

- Taping, Cutting
- Terminal type
- Size (5X11: D11)
- Capacitance
- Capacitance tolerance(M:±20%, K:±10%, V :-10~20%)
- Rated voltage(ex. 160V→160)
- Series name

Ø10	G
Ø12.5	X
Ø16	J

WTH series

■Standard Ratings

Note1) Ripple current = mArms/105℃,100kHz

WV (Vdc)	Cap (uF)	Size ØxL(mm)	Tan δ	Ripple[1)]	Code No
10	470	10 x 16	0.24	370	WTH010□471G16CS□□□
	1,000	12.5 x 20	0.24	600	WTH010□102X20CS□□□
	2,200	16 x 31.5	0.26	1,100	WTH010□222J32CS□□□
	3,300	16 x 35.5	0.28	1,150	WTH010□332J36CS□□□
16	330	10 x 16	0.20	370	WTH016□331G16CS□□□
	470	12.5 x 20	0.20	600	WTH016□471X20CS□□□
	1,000	16 x 31.5	0.20	1,100	WTH016□102J32CS□□□
	2,200	16 x 35.5	0.22	1,150	WTH016□222J36CS□□□
25	220	10 x 16	0.16	370	WTH025□221G16CS□□□
	330	12.5 x 20	0.16	600	WTH025□331X20CS□□□
	470	16 x 31.5	0.16	1,100	WTH025□471J32CS□□□
	1,000	16 x 35.5	0.16	1,150	WTH025□102J36CS□□□
35	100	10 x 16	0.14	360	WTH035□101G16CS□□□
	220	10 x 20	0.14	460	WTH035□221G20CS□□□
	330	12.5 x 20	0.14	600	WTH035□331X20CS□□□
	470	12.5 x 25	0.14	750	WTH035□471X25CS□□□
	1,000	16 x 35.5	0.14	1,150	WTH035□102J36CS□□□
50	100	10 x 20	0.10	300	WTH050□101G20CS□□□
	220	12.5 x 20	0.10	400	WTH050□221X20CS□□□
	330	12.5 x 25	0.10	500	WTH050□331X25CS□□□
	470	16 x 31.5	0.10	700	WTH050□471J32CS□□□

■ Rated ripple current multipliers

Cap(uF) \ Freq.(Hz)	120	1k	10k	50k	100k
100 ~ 1,000	1.00	1.15	1.30	1.33	1.40
2200 ~ 3300	1.00	1.03	1.05	1.06	1.08