

TH 系列 SERIES

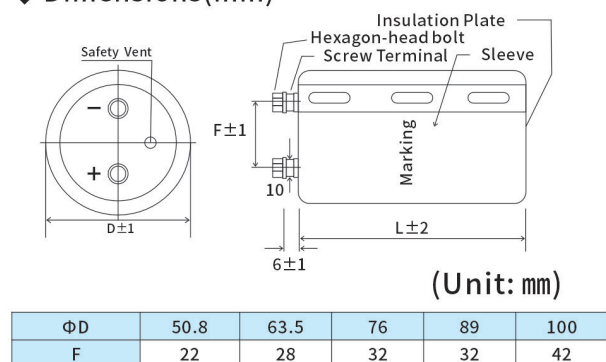
- 2000h at 105°C
- Standard 105°C
- Professional Power supplies & Inverters



◆ Specification

Items	Characteristics	
Operating Temperature Range(°C)	-40~+105	-25~+105
Voltage Range (V)	25~100	160~450
Capacitance Range (μF)	220~330000	
Capacitance Tolerance(20°C,120Hz)	± 20%	
Leakage Current (μA)	25~450V	
	I ≤ 0.01CV or 5000μA whichever is smaller After 5 minute at 20°C application of rated voltage	
	I:Max. leakage current (μA), C:Nominal Capacitance (μF) ,V :Rated Voltage (V)	
Dissipation Factor (20°C,120Hz)	Less than values shown in the standard ratings	
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated rippled current is applied for 2000 hours at 105°C	
	Capacitance change	Within ±20%initial value
	D.F.(Tanδ)	Not more than 200% of specified value
	Leakage current	Not more than specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied .	
	Capacitance change	≤ ± 20% of the initial value
	D.F.(Tanδ)	≤200% of specified value
	Leakage current	≤200% of specified value

◆ Dimensions(mm)



◆ Frequency Coefficient

Frequency	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	0.80	1.00	1.10	1.30	1.40

◆ Temperature Coefficient

Temperature(°C)		+40	+55	+70	+85	+105
Coefficient	≤250V	4.90	3.90	3.00	1.80	1.00
	>250V	3.80	3.30	2.50	2.00	1.00

◆ Ratings for TH Series

UR(Surge Voltage) Code	Rated Capacitance	Dissipation Factor 20°C 120Hz	Rated Ripple Current 105°C 120Hz	Size φD × L
(V)	(μF)	tanδ	(A rms)	(mm)
25(32)1E	47000	0.60	8.0	50.8×60
	68000	0.60	10.0	50.8×70
	100000	0.60	11.3	50.8×95
	150000	0.80	12.9	50.8×130
	220000	1.00	14.8	63.5×115
	330000	1.00	19.9	76×115
35(44)1V	33000	0.50	6.7	50.8×60
	47000	0.50	8.1	50.8×70
	68000	0.60	10	50.8×95
	100000	0.60	12.1	50.8×130
	150000	0.80	13.8	63.5×115
	220000	0.80	17.6	76×115
50(63)1H	22000	0.40	5.9	50.8×60
	33000	0.40	7.8	50.8×80
	47000	0.50	9.5	50.8×110
	68000	0.50	11.6	63.5×95
	100000	0.60	14.1	63.5×130
	150000	0.60	18.9	76×130
63(79)1J	15000	0.30	5.7	50.8×60
	22000	0.30	6.8	50.8×80
	33000	0.40	9.2	50.8×110
	47000	0.40	10.9	63.5×95
	68000	0.50	13	63.5×130
	100000	0.50	17.2	76×130
80(100)1K	10000	0.25	5.2	50.8×60
	15000	0.25	6.2	50.8×80
	22000	0.30	8.2	50.8×110
	33000	0.30	9.7	63.5×95
	47000	0.30	12.5	63.5×130
	68000	0.40	16.4	76×130
100(125)2A	6800	0.25	5.0	50.8×60
	10000	0.25	6.5	50.8×80
	15000	0.25	7.6	50.8×110
	22000	0.25	9.7	63.5×95
	33000	0.25	11.8	63.5×145
	47000	0.35	15.0	76×140
160(200)2C	3300	0.25	3.5	50.8×70
	4700	0.25	4.4	50.8×95
	6800	0.25	5.9	50.8×130
	10000	0.25	7.6	63.5×115
	15000	0.25	10.3	76×115
	22000	0.25	13.2	76×155
200(250)2D	2200	0.25	2.8	50.8×70
	3300	0.25	3.7	50.8×95
	4700	0.25	4.9	50.8×120
	6800	0.25	6.3	63.5×105
	10000	0.25	8.1	63.5×145
	15000	0.25	10.9	76×155
250(300)2E	2200	0.25	3.1	50.8×80
	3300	0.25	4.2	50.8×110
	4700	0.25	5.4	63.5×95
	6800	0.25	6.9	63.5×130
	10000	0.25	9.3	76×130
	15000	0.25	12.2	89×145

UR(Surge Voltage) Code	Rated Capacitance	Dissipation Factor 20°C 120Hz	Rated Ripple Current 105°C 120Hz	Size φD × L
(V)	(μF)	tanδ	(A rms)	(mm)
400(450)2G	1000	0.20	2.5	50.8×75
	1200	0.20	3.0	50.8×95
	1500	0.20	3.6	50.8×110
	1800	0.20	4.1	50.8×130
	2200	0.20	4.5	63.5×95
	2700	0.20	5.3	63.5×115
	3300	0.20	6.2	63.5×130
	3900	0.20	6.8	76×115
	4700	0.20	7.8	76×130
	5600	0.20	9.2	76×155
	6800	0.20	10.7	89×145
	8200	0.20	11.8	89×155
450(500)2W	10000	0.20	14.1	89×195
	1000	0.25	4.2	50.8×80
	1500	0.25	5.7	50.8×120
	2200	0.25	7.3	63.5×105
	3300	0.25	10.1	76×115
	4700	0.25	12.6	76×155
	5600	0.25	15.8	89×145
	6800	0.25	19.7	89×170
	8200	0.25	22.8	89×195
	10000	0.25	27.6	89×220