

TB 系列 SERIES

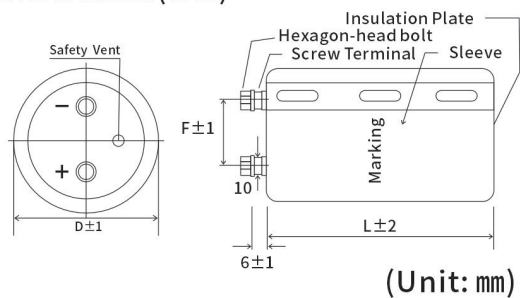
- 10000h at 85°C
- High ripple current
- Long useful life & High Reliability
- For Professional Power application and Inverters



◆ Specification

Items	Characteristics	
Operating Temperature Range(°C)	-25~+85	
Voltage Range (V)	350~500	
Capacitance Range (μF)	1000~18000	
Capacitance Tolerance(20°C,120Hz)	±20%	
Leakage Current (μA)	350~500V	
	$I \leq 0.01CV$ 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)	U _R (V)	350~400 450~500
	tgδ	0.2 0.25
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 10000 hours at 85°C	
	Capacitance change	Within ±20%initial value
	D.F.(Tanδ)	Not more than 200% of specified value
Shelf Life	Leakage current	Not more than specified value
	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 85°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)



ΦD	50.8	63.5	76	89	100
F	22	28	32	32	42

◆ Frequency Coefficient

Frequency Voltage Range (V)	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
350~500	0.80	1.00	1.10	1.30	1.40

◆ Temperature Coefficient

Temperature(°C)	+40	+60	+70	+85
Coefficient	1.89	1.68	1.53	1.00

◆ Ratings for TB Series

UR (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 85°C 120Hz	Size φD×L
(V)	(μF)	(Arms)	(mm)
350(400)2V	1200	5.5	50.8×70
	1500	6.1	50.8×80
	1800	7.4	50.8×95
	2200	8.2	50.8×105
	2700	10.2	50.8×130
	3300	11.3	63.5×95
	3900	12.8	63.5×115
	4700	14.8	63.5×130
	5600	16.3	76×115
	6800	18.8	76×130
	8200	22.1	76×155
	10000	25.9	89×140
	12000	28.4	89×155
	15000	34.6	89×195
	18000	41.4	89×235
400(450)2G	1000	5.0	50.8×70
	1200	5.5	50.8×80
	1500	6.7	50.8×95
	1800	7.4	50.8×115
	2200	9.2	50.8×130
	2700	9.9	63.5×95
	3300	11.8	63.5×115
	3900	13.5	63.5×130
	4700	14.9	76×115
	5600	17.0	76×130
	6800	20.2	76×155
	8200	23.5	89×155
	10000	25.9	89×170
	12000	31.0	89×195
	15000	37.5	89×235

UR (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 85°C 120Hz	Size φD×L
(V)	(μF)	(Arms)	(mm)
450(500)2W	1000	5.0	50.8×80
	1200	6.0	50.8×90
	1500	7.2	50.8×115
	1800	8.3	50.8×130
	2200	9.0	63.5×95
	2700	10.7	63.5×115
	3300	12.4	63.5×130
	3900	13.6	76×115
	4700	15.6	76×140
	5600	18.3	76×155
	6800	21.4	89×155
	8200	23.5	89×170
	10000	28.3	89×195
	12000	33.6	89×235
	1000	6.3	50.8×105
500(550)2H	1200	7.1	50.8×120
	1500	8.6	63.5×95
	1800	10.0	63.5×115
	2200	11.7	63.5×130
	2700	15.0	76×115
	3300	17.5	76×130
	3900	20.2	76×140
	4700	21.8	89×130
	5600	25.3	89×155
	6800	29.0	89×170
	8200	32.3	89×195
	10000	36.2	89×235