



THB DC-LINK FILM CAPACITOR (BOX TYPE)

HIGH STABILITY UNDER HIGH TEMP. AND HIGH HUMIDITY

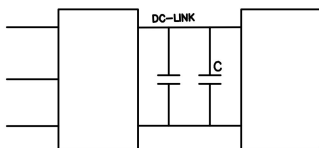
- 执行国际标准
- 长寿命
- 干式结构
- 高的过电流和过电压
- 自愈合能力
- 渐变金属化层
- 阻燃塑壳，树脂灌注
- 高温高湿设计
- IEC 61071 / IEC 60068 / UL810
- Long lifetime expectancy, Up to 25 years
- Dry type structure
- High over-voltage and over-current
- Self-healing
- Transition metal layer
- FR plastic case, resin infusion
- THB 85°C, 85%RH, 1000h at rated voltage
- High stability under severe conditions



ELECTRICAL CHARACTERISTICS

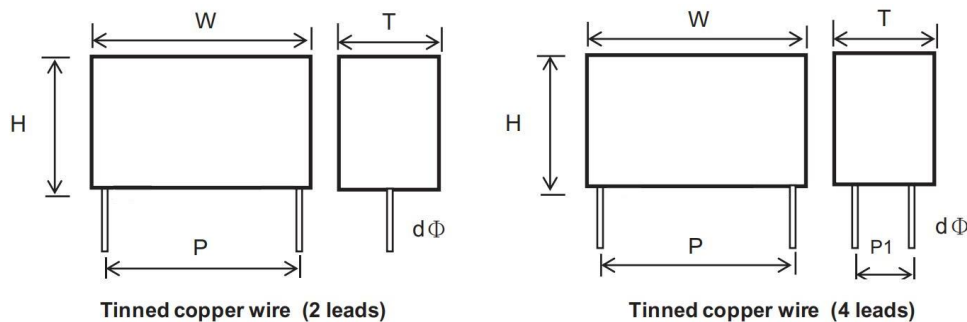
容量范围	Capacitance Range	1 ~ 80μF
使用温度	Operating Temperature	-40°C ~ +85°C
容量偏差	Capacitance Tolerance	±5%(J); ±10% (K)
额定电压	Rated Voltage	500 ~ 1200V.DC
耐电压	Test Voltage between Terminal	1.5Un 60s 1.10Un(30% of on load duration) 1.15Un(30mins/day) 1.2Un(5mins/day) 1.3Un(1min/day)
过电压	Operating voltage	
绝缘电阻	Insulation Resistance	R*C ≥ 5000S(100VDC, 60S, 20°C)
海拔	Max. Altitude	< 4000m
阻燃性	Flame Resistance	UL 94 V-0
预期寿命	Lifetime Expectancy	≥ 100,000Hours (Un, T ≤ 85°C)
失效率	Failure	50FIT

TYPICAL CIRCUIT & APPLICATION



UPS | Frequency inverter | Solar inverter | Plating power supply | Inverter welding machine for DC filter.

OUTLINE DRAWING



Variable A (Φd)	Variable B
Diameter of pins	Length of pin
0.8/1.0/1.2mm	Standard 4.0±mm

COMMON DESIGN (mm)

Un (Rated Voltage)	Cn	W	T	H	P	P1	Irms(A)
500VDC	10µF	41	13	24	37.5	/	7
	20µF	42	18	31.5	37.5	/	10
	50µF	42.5	30	45	37.5	20	16
	100µF	57.5	35	50	52.5	20	18
	150µF	57.5	42.5	56	52.5	20	22
600VDC	10µF	41	13	24	37.5	/	7
	15µF	41	16	28.5	37.5	/	9
	30µF	41	22	37	37.5	10	12
	60µF	42.5	30	45	37.5	20	17
	100µF	57.5	35	50	52.5	20	18
700VDC	10µF	41	16	28.5	37.5	/	8
	15µF	41	18	31.5	37.5	/	10
	20µF	41	22	37	37.5	10	12
	30µF	42	26	41	37.5	15	14
	40µF	42.5	30	45	37.5	20	17
	50µF	56.5	26.8	39.2	52.5	15	16
	60µF	57.5	30	45	52.5	20	17
	80µF	57.5	35	50	52.5	20	19
800VDC	10µF	41	18	31.5	37.5	/	10
	20µF	42	24	36	37.5	15	14
	40µF	56.5	26.8	39.2	52.5	15	16
	60µF	57.5	35	50	52.5	20	19
	80µF	57.5	38	54	52.5	20	22
900VDC	10µF	41	18	31.5	37.5	/	10
	15µF	41	22	37	37.5	10	12
	30µF	42.5	30	45	37.5	20	16
	50µF	57.5	30	45	52.5	20	17
	80µF	57.5	38	54	52.5	20	22
1000VDC	10µF	41	22	37	37.5	10	12
	15µF	41	26	41	37.5	15	15
	20µF	42.5	30	45	37.5	20	17
	30µF	57.5	30	45	52.5	20	17
	50µF	57.5	38	54	52.5	20	22
1100VDC	10µF	41	22	37	37.5	10	12
	15µF	41	26	41	37.5	15	15
	20µF	42.5	30	45	37.5	20	17
	50µF	57.5	38	54	52.5	20	22
1200VDC	10µF	41	26	41	37.5	15	14
	20µF	57.5	30	45	52.5	20	16
	30µF	57.5	35	50	52.5	20	20

Customization available on request.

Be aware that all the parameters above are subject to change,Pls contact us or refer our approval sheets.