



# ShenZhen Topmay Electronic Co., Ltd

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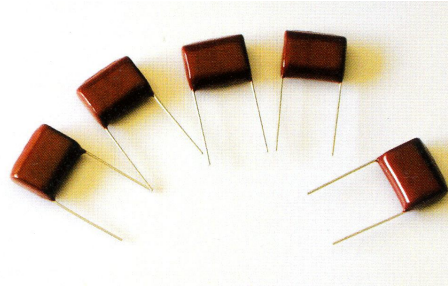
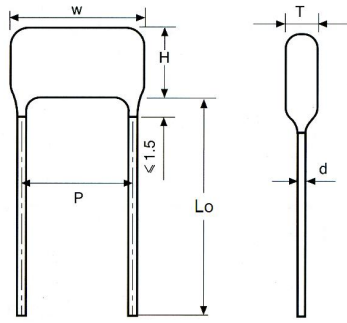
## PRODUCT SPECIFICATION

Product Type : CBB21 Polypropylene Film Capacitor

Product Model: TCMF15-683K1KVP15B

Checked	Prepared
Tang Jianjun	Chu Liyan

## Outline Drawing



## Specifications

Reference Standard	GB14579 (IEC60384-17)
Temperature Range	-40°C — +105°C
Rated Voltage	1000V
Capacitance Range	0.068μF
Capacitance Tolerance	K: (±10%)
Voltage proof	1.6V <sub>R</sub> (5S)
Dissipation Factor	≤0.1% (20°C, 1KHz)
Insulation Resistance (20°C/1min)	>15000MΩ, CR≤0.33μF >5000S, CR>0.33μF

## Dimensions (mm)

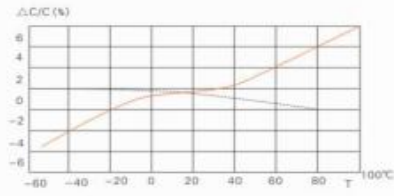
Item	W±0.5	H±0.5	T±0.5	d±0.05	L±1	P±0.5
CBB21 683K/1000V	17.0	8.6	5.2	0.6	25	15

## Propertytest

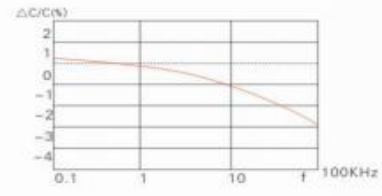
NO.	1	2	3	4	5	6	7	8	9	10
Co (nF)	67.8	67.4	68.1	66.8	67.1	68.2	67.7	67.5	67.3	66.5
DIS	0.04	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.04
IR	>15000MΩ, CR≤0.33μF									

# Typical graphs

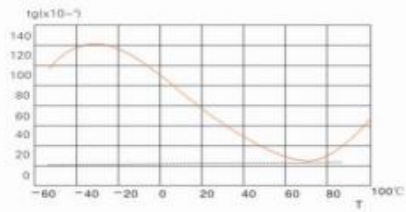
## 典型的电容器特性的曲线 Typical graphs



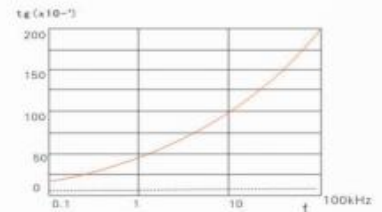
Capacitance vs temperature at 1kHz



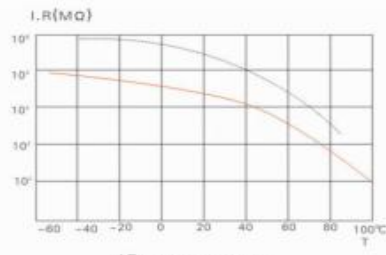
Capacitance vs frequency (Room temperature)



Dissipation factor vs temperature at 1kHz

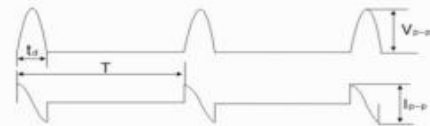


Dissipation factor vs frequency (Room temperature)



IR vs temperature

行逆程波形示意图: Flyback waveform



占空比: DUTY =  $t_d/T$

S-校正波形示意图: S-correction waveform



- 聚丙烯薄膜 (Polypropylene film)
- 聚酯薄膜 (Polyester film)