

Metallized Polypropylene Film Capacitor MPB

● 特點

- 高頻下低損耗
- 高穩定容量&損耗
- 良好的自癒性
- 高絕緣阻抗
- 符合 RoHs

● 結構

- 電介質：金屬化聚丙烯薄膜
- 捲繞：無感式
- 導線：鍍錫銅包鋼線
- 外層：阻燃塑料殼，環氧樹脂填充

● 應用

- 典型應用包括開關模式下的脈衝操作
- 電源 (SMPS)、電視機、電腦、顯示器、電子鎮流器等要求穩定運行的高頻應用。

● 電器特性

引用標準	IEC 60384-16 (For-DC Type) IEC 63084-17 (For-AC Type)
氣候類別 / 阻燃等級	40 / 105 / 21
額定溫度	105°C +85°C~105°C decreasing factor 1.0% / for V _R (dc)
工作溫度範圍	- 40°C ~ +105°C
額定電壓 (DC-Type)	160V , 250V , 400V , 630V
容量範圍	0.01 μ F ~ 10 μ F
電容容差	J : ± 5% · K : ± 10% · M : ± 20%
耐 壓	施加 1.75 倍額定直流電壓測試 3 秒
損耗角正切	0.1% or less. At 1Khz, 20±5°C
絕緣電阻	≥ 30000M Ω at DC 100V (C ≤ 0.33 μ F) ≥ 10000M Ω × μ F at DC 100V (C > 0.33 μ F)

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● 產品編碼



PART-1 : 系列代號 MPB

PART-2 : 額定電容值 (0.001 μ F~10.0 μ F / 102~106)

PART-3 : 電容容差 J : $\pm 5\%$ · K : $\pm 10\%$ · M : $\pm 20\%$

PART-4 : 額定電壓 0160=106V, 0250=250V,
0400=400V, 0630=630V

PART-5 : 電壓單位 A=VAC D=VDC

PART-6 : 引腳腳距編號 075=7.5,100=10,150=15
225=22.5,275=27.5

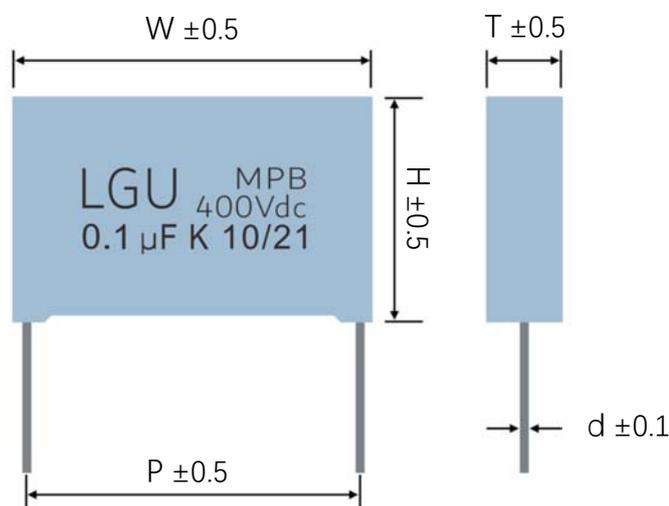
PART-7 : 引腳成型編號

PART-8 : 內部特徵碼 R=環保代碼、H=無鹵代碼

O=其他特殊要求、T= THB 雙 85 代碼

代碼	腳型
S	直腳
C	短腳
F	K 腳
T	編帶

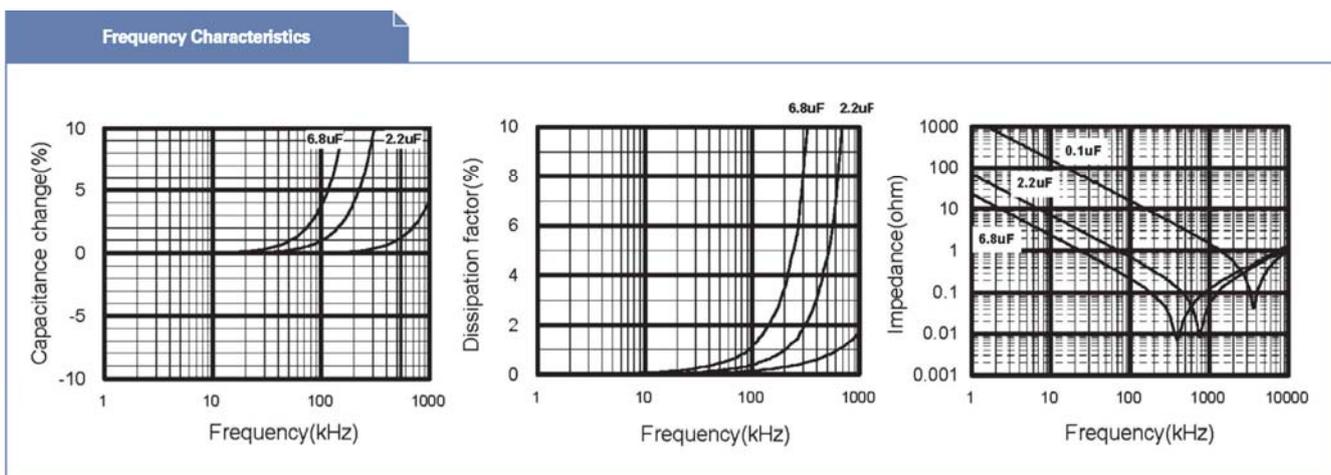
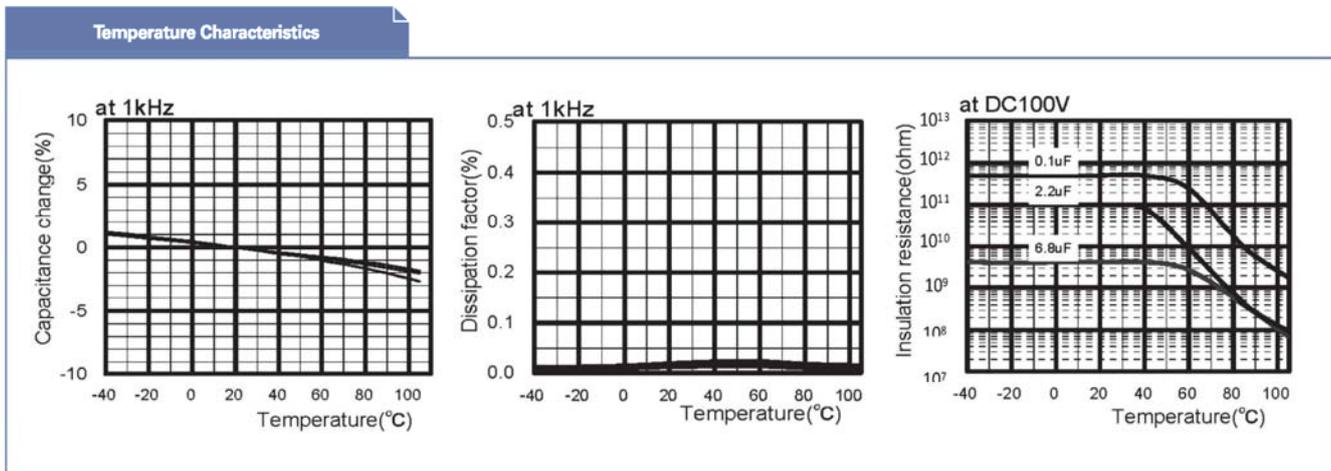
● 產品尺寸 產品需求尺寸,請與我們聯繫



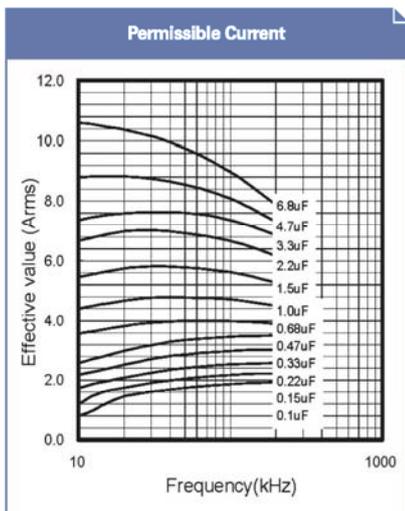
Metallized Polypropylene Film Capacitor MPB

250Vdc Series

Electrical Characteristics (Typical Data)



Applicable Specifications



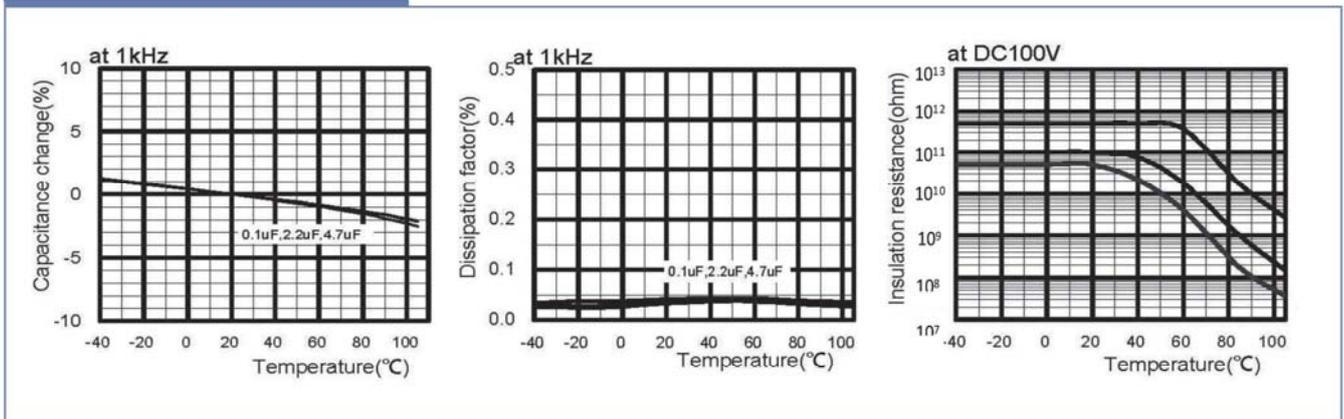
Pulse Handling Capability(dv/dt)
(Max 1000cycles)

Rating Voltage	Capacitance Value(μf)	Code	dV/dt(V/μs)	Current(o-p) (A)	
DC 250V	0.10	104	135	13.5	
	0.15	154		20.2	
	0.22	224		29.7	
	0.33	334		44.5	
	0.47	474		63.4	
	0.68	684		55.7	
	1.00	105	82	82.0	
	1.50	155		123.0	
	2.20	225		180.4	
	3.30	335		188.1	
	6.80	685		57	387.6

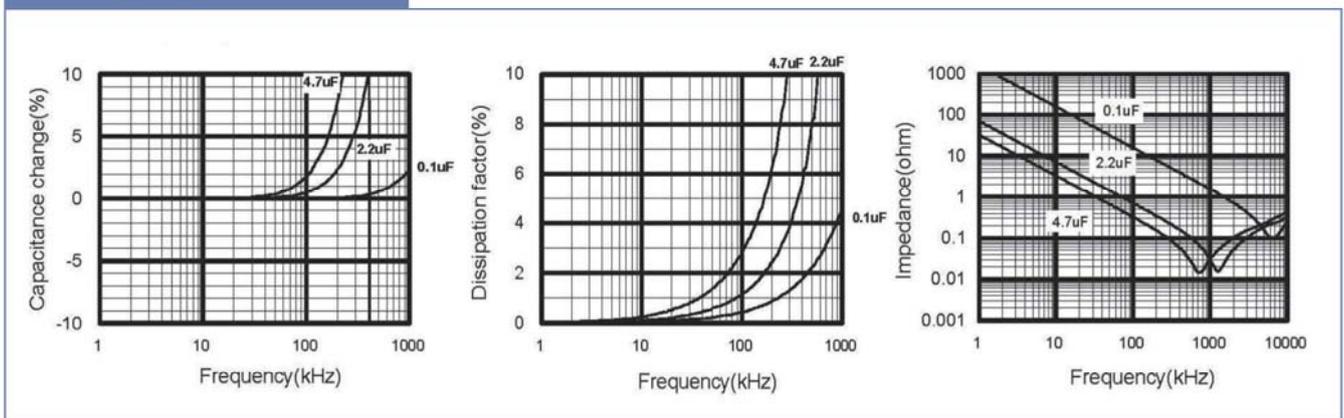
Electrical Characteristics (Typical Data)

400Vdc Series

Temperature Characteristics

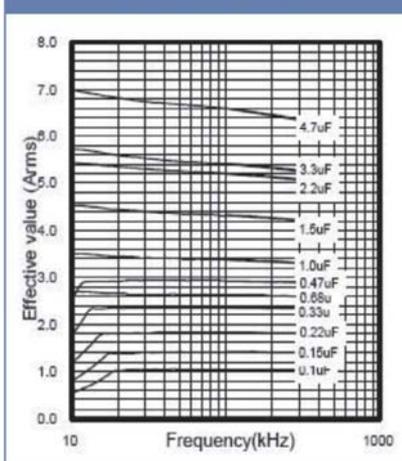


Frequency Characteristics



Applicable Specifications

Permissible Current



Pulse Handling Capability(dv/dt)

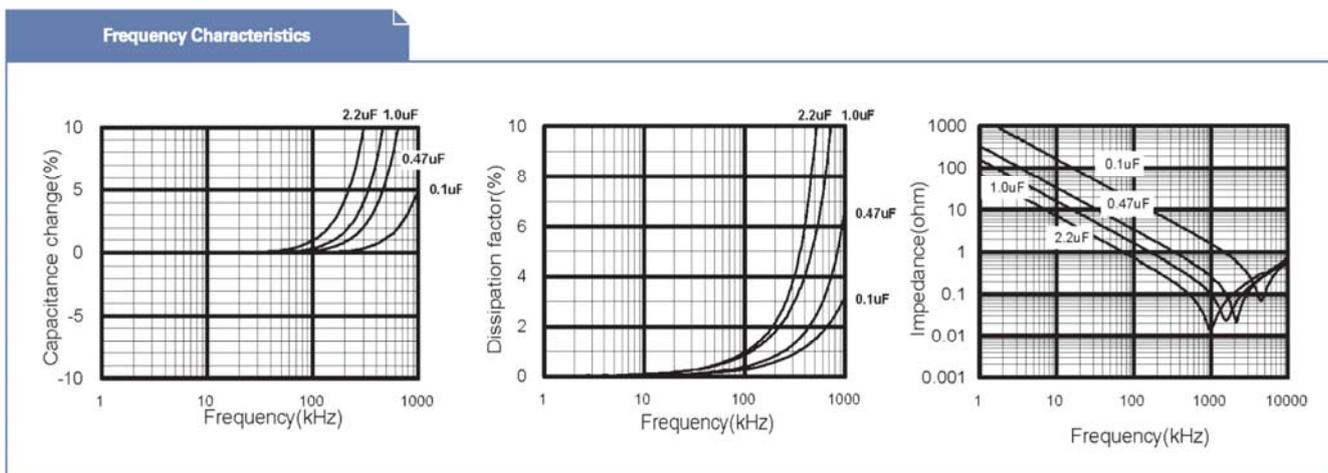
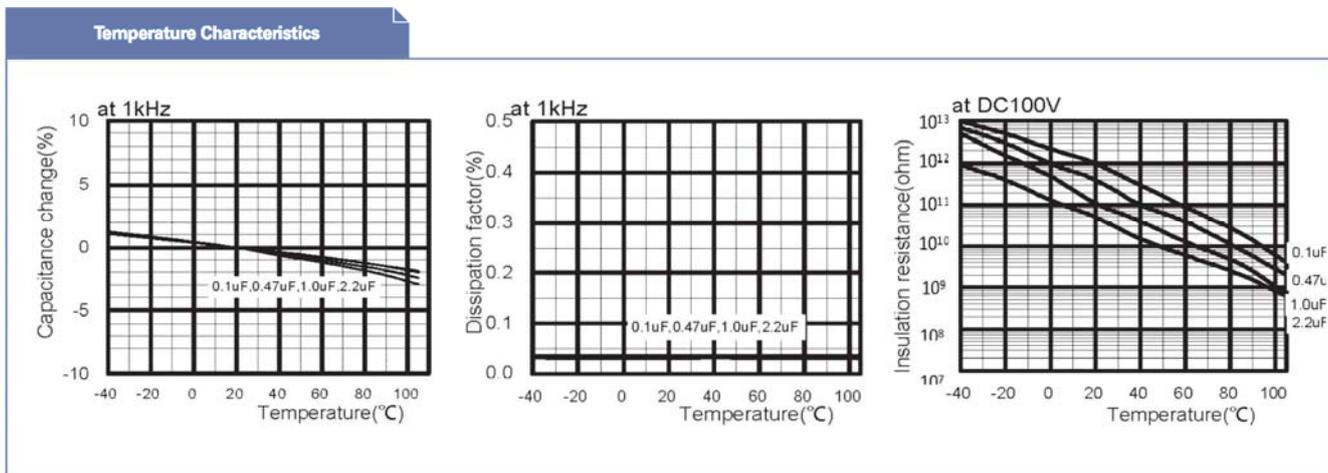
(Max 1000cycles)

Rating Voltage	Capacitance Value(μF)	Code	dV/dt(V/μs)	Current(o-p) (A)	
400Vdc Series	0.10	104	41.6	4.2	
	0.15	154		6.2	
	0.22	224		9.2	
	0.33	334		13.7	
	0.47	474		19.6	
	0.68	684		16.5	
	24.3	1.00	105	24.3	
		1.50	155	36.4	
		2.20	225	53.4	
		14.3	3.30	335	47.2
			4.70	475	67.3

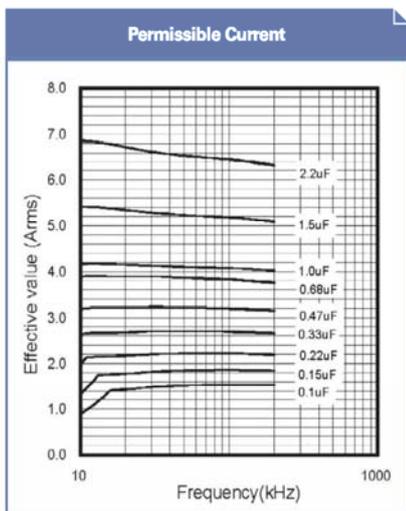
Metallized Polypropylene Film Capacitor MPB

630Vdc Series

■ Electrical Characteristics (Typical Data)



■ Applicable Specifications



Pulse Handling Capability(dv/dt)
(Max 1000cycles)

Rating Voltage	Capacitance Value(μF)	Code	dV/dt(V/μs)	Current(o-p) (A)	
DC 630V	0.10	104	155	15.5	
	0.12	124		18.6	
	0.15	154		23.3	
	0.18	184		27.9	
	0.22	224		34.1	
	0.27	274		41.9	
	0.33	334		51.2	
	0.39	394		60.5	
	0.47	474		72.9	
	0.56	564		86.8	
	0.68	684		105.4	
	0.82	824		65	53.3
	1.00	105			65.0
	1.20	125			78.0
1.50	155	97.5			
1.80	185	117			
	2.20	225	143		