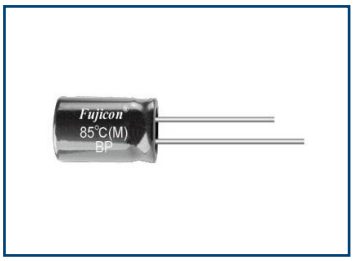
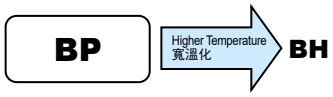
BP Series

BI-POLARIZED, HIGH RIPPLE CURRENT
雙極性，高紋波電流品



- High frequency and high ripple current characteristics
  高頻及高紋波電流特性
- Suitable for horizontal deflection circuit
  適用於水平偏轉電路
- Comply with the RoHS & REACH
  符合 RoHS 與 REACH

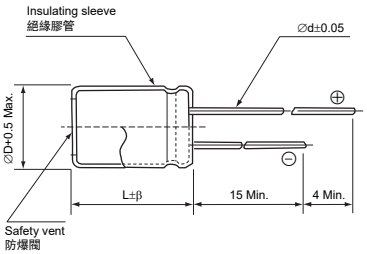


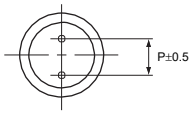


☐ SPECIFICATIONS 特性表

Items 項目	Characteristics 主要特性
Category Temperature Range 工作温度範圍	-40 ~ +85°C
Voltage Range 額定工作電壓範圍	25 & 50V
Capacitance Range 靜電容量範圍	2.2 ~ 10μF
Capacitance Tolerance 靜電容量允許偏差	±10% at 120Hz, 20°C
Leakage Current 漏電流	Leakage current ≤0.03CV+50μA (Max.) (after 5 minutes application of rated voltage at 20°C) 漏電流 ≤0.03CV+50μA (Max.) （在 20°C 環境中施加額定工作電壓 5 分鐘後） C: Nominal capacitance (μF) 標稱靜電容量, V: Rated voltage (V) 額定電壓
Dissipation Factor (tan δ) 損耗角正切	(Measurement frequency 測試頻率: 120Hz, Temperature 温度: 20°C) Less than 0.05 不大於 0.05
Stability at Low Temperature 低温特性	Measurement frequency 測試頻率: 120Hz Impedance Ratio 阻抗比: Z(-25°C) / Z(+20°C) = 1.5; Z(-40°C) / Z(+20°C) = 3.0
Endurance 耐久性	When the capacitors are restored to 20°C after 1000 hours application of the rated voltage at 85°C (the polarity needs to exchange every 250 hours), they meet the characteristics listed below. 在 85°C 環境中施加額定工作電壓 1000 小時（每 250 小時必須轉換一次極性）後，待電容器恢復至 20°C 時進行測量，電容器的特性符合下表要求。 Capacitance Change 靜電容量變化率: Within ±15% of initial measured value 初始值的±15%以內 Dissipation Factor 損耗角正切: ≤200% of initial specified value 不大於規範值的 200% Leakage Current 漏電流: ≤initial specified value 不大於規範值
Shelf Life 高温貯存特性	When the capacitors are restored to 20°C after leaving under no load at 85°C for 500 hours, they meet the specified value for endurance characteristics listed above. 在 85°C 環境中無負荷放置 500 小時後，待電容器恢復至 20°C 時進行測量，電容器的特性符合耐久性特性中所列的規定值。
Marking 標識	Printed with white colour on black sleeve (PVC) or printed with white colour on green sleeve (PET). 黑色膠管白字印刷（PVC）或綠色膠管白字印刷（PET）。

☐ DRAWING & DIMENSIONS 外形圖及尺寸 (Unit: mm)





ØD	13	16	18
P	5.0	7.5	
Ød	0.6	0.8	
β	2.0		

☐ DIMENSIONS & STANDARD RATINGS 規格尺寸及標準參數

WV / Parameter 參數 / Code 代碼 / μF		25 (1E)		50 (1H)	
		Case size ØD×L (mm) 尺寸	Ripple current (Ap-p) at 85°C, 15.75KHz 紋波電流	Case size ØD×L (mm) 尺寸	Ripple current (Ap-p) at 85°C, 15.75KHz 紋波電流
2.2	2R2	13 × 25	5.0	13 × 25	5.0
3.3	3R3	16 × 25	6.0	16 × 25	6.0
4.7	4R7	16 × 32	7.0	16 × 32	7.0
5.6	5R6	16 × 32	7.5	16 × 32	7.5
6.8	6R8	16 × 35	8.0	16 × 35	8.0
8.2	8R2	16 × 35	9.0	16 × 35	9.0
10	100	18 × 35	10.0	18 × 35	10.0

- Please refer to page 21 “Taping Specifications” & page 23 “Lead Forming & Cutting” about the taped or formed product spec. 編帶與引線成型標準請查閱第 21 頁“編帶標準”及第 23 頁“引線成型與剪腳”。
- Please refer to page 22 “Packaging Specifications” for the minimum package quantity. 最小包裝數量請查閱第 22 頁“包裝標準”。
- Please refer to page 18 for the Part Number System. 產品編碼規則請查閱第 18 頁。

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.
注：以上所提供的設計及特性參數僅供參考，任何修改不作預先通知。如果在使用上有疑問，請在採購前與我們聯繫，以便提供技術上的協助。