

## CAPACITORS APPROVAL SHEET

電 容 器 承 認 圖

Date : 2015 / 12 / 10

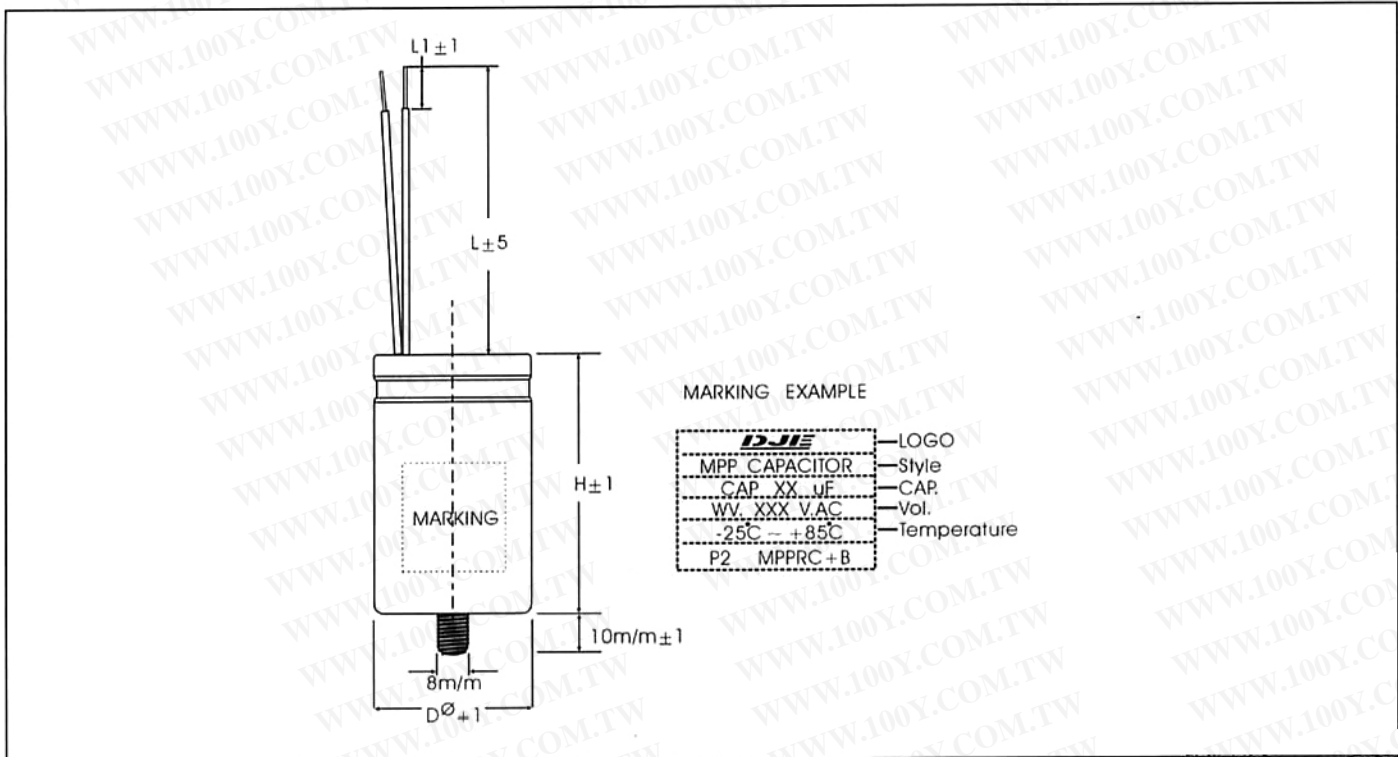
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### DIAGRAM DESCRIPTION:

圖 示 說 明

1. TYPE / MODEL: MFRB - type
2. OPERATING TEMPERATURE: - 25°C ~ + 85°C
3. CAPACITANCE RANGE: 25 μF ( as below table )
4. CAPACITANCE TOLERANCE: + 10% ~ - 5%
5. RATED WORKING VOLTAGE RANGE: 250VAC at 50/60Hz ( as below table )

SERIES 系列	P01M	TEMPERATURE RANGE 溫度範圍		-25°C~+85°C	CASE 容器	Aluminum	
TYPE / MODEL 型式 / 樣式	MFRB	DIELECTRIC 電介質	Metallized polypropylene film		UNIT 單位	M / m	
RATED		DIAGRAM OF DIMENSIONS 圖 示 規 格 (m/m)					
NO.	CAP (μF)	TOL (%)	VAC	D	H	L	AWG
1.	25	+10~-5	250	40	65	Both 100mm	18
P/N MFRB 256U250AM65H21015W P2							



備註 DESCRIPTION	CUSTOMER 客 戶	勝特力	MANUFACTURE 製 造 商	
1. UL1015 wire, AWG 18. 2. Self-healing type. 3. Within internal discharge resistor. 4. B class operation life under 250Vac. 5. P2 class of safety protection. 6. Printed red letter on sleeve. 7. Metallic M8 bolt for mounting.	CHIEF 核 圖	CHECK 檢 圖	DRAWING 繪 圖	TITLE 圖 名
	M. K. Lin	David Lin	C. C. Chen	DWG NO. 圖 號
				<b>MFRB-AL</b>
				<b>MFRB-AL-UL1015</b>

## SPECIFICATIONS

規 格 說 明

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**TYPE / MODEL: MFRB - type  
METALLIZED POLYPROPYLENE FILM CAPACITOR**

1. ACCORDING TO: IEC60252-1/ UL810/ JIS4908/ CNS4327
2. OPERATING TEMPERATURE: - 25°C ~ + 85°C
3. CLIMATIC CATEGORY: -25/85/21
4. CAPACITANCE RANGE: 25  $\mu$ F
5. CAPACITANCE TOLERANCE: +10% ~ -5%
6. RATED WORKING VOLTAGE RANGE: 250 VAC 50/60Hz ( B class ).
7. WITHSTAND VOLTAGE TEST:
  - (A) Terminal to terminal: Rated voltage $\times$ 2 for 1 min.
  - (B) Between terminals and case: Rated voltage $\times$ 2+ 1000V for 1 min (2000V min.), at 25°C.
8. DISSIPATION FACTOR ( DF ) : 0.1%MAX. When measured at 50/60Hz.
9. INSULATION RESISTANCE ( IR ) :
  - (A) Terminals to terminal:  $\geq$  1000 M $\Omega$
  - (B) Terminals to case:  $\geq$  2000 M $\Omega$
10. OPERATION CONDITION :
  - (A) Max permissible over voltage: Rated voltage $\times$ 120%
  - (B) Max permissible over current: Rated current $\times$ 130%
  - (C) Rated current =  $2 \times \pi \times$  Frequency  $\times$  Capacity  $\times$  Rated Voltage  $\times 10^{-6}$   
Ex. Rated current of the cap/10 $\mu$ F/250V =  $2 \times 3.14 \times 60 \times 10 \times 250 \times 10^{-6} = 0.942(A)$
11. LIFE TEST :
  - (A) Max capacity VA: VA $\times$ 135%
  - (B) Continue life test: W.V $\times$ 135%, for 1000  $\pm$  12hrs.
  - (C) On - off life test: W.V $\times$ 140%, On 2 sec. Off 2 sec. Test cycle 100,000  $\pm$  1,000 times.

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)