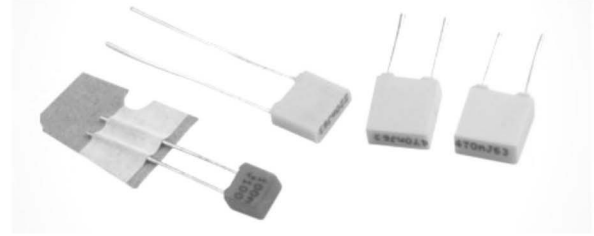


## MSC Series 小型化金屬化聚乙脂膜電容器 P=5mm

MSC are non-inductively wound with metallized Polyester as dielectric/enetrode with copper-clad steel leads with epoxy resin coating. They are suitable for blocking, filtering, by-pass, coupling, decoupling and timing circuits with application in telecommunication, data processing, industrial instruments and automatic control system equipments.

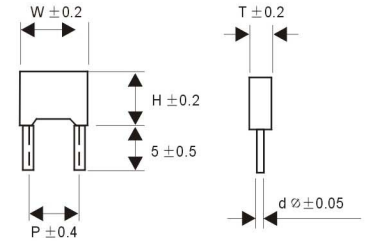


### FEATURES

- Space-saving miniature size.
- Non-inductive construction.
- Self-healing property.
- Flame-retardant plastic case and epoxy resin (compliance with UL94V-O)
- High-moisture resistance

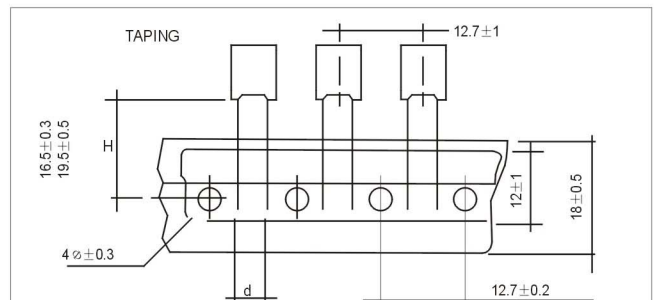
### SPECIFICATIONS

- OPERATING TEMPERATURE:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$   
(From  $85^{\circ}\text{C}$  up to  $105^{\circ}\text{C}$  with derating voltage  $1.25\%/^{\circ}\text{C}$ ,  
 $85^{\circ}\text{C}$  至  $105^{\circ}\text{C}$  間按  $1.25\%/^{\circ}\text{C}$  處減電壓)
  - CAPACITANCE RANGE :  $.001 \sim 2.2 \mu\text{F}$
  - CAPACITANCE TOLERANCE :  $\pm 5\%$  (J),  $\pm 10\%$  (K),
  - RATED VOLTAGE : 50/63/100/250/400/630VDC
  - DISSIPATION FACTOR : 1.0% MAX AT 1 KHZ,  $25^{\circ}\text{C}$
  - INSULATION RESISTANCE :  $>10000\text{M}\Omega$  ( $C \leq 33 \mu\text{F}$ );  $>3000 \text{M}\Omega \mu\text{F}$  ( $C > 33 \mu\text{F}$ )
  - ENDURANCE : 500hours with 125% of rated voltage at  $85^{\circ}\text{C}$  after the test  $\Delta C/C \leq 5\%$   
 $\Delta(\text{DF}) \leq 0.20\%$ ;  $C 0.33 \mu\text{F}$ ;  $\text{IR} \geq 4500\text{M}\Omega$ ;  $C > 0.33 \mu\text{F}$ ;  $\text{IR} * C \geq 1500 \Omega \text{F}$  ( $20^{\circ}\text{C}$  1KHZ)
- 單位 Unit:mm



CAP SIZE	R.V.				
	50/63VDC	100VDC	250VDC	400VDC	630VDC
	CASE CODE	CASE CODE	CASE CODE	CASE CODE	CASE CODE
.001	A1	A1	A1	A1	A2
.0015	A1	A1	A1	A1	A2
.0022	A1	A1	A1	A1	A2
.0033	A1	A1	A1	A1	A2
.0047	A1	A1	A1	A1	A2
.0068	A1	A1	A1	A1	A3
.01	A1	A1	A1	A2	A3
.015	A1	A1	A1	A2	A3
.022	A1	A1	A1	A2	A4
.033	A1	A1	A1	A2	A4
.047	A1	A1	A2	A2	A5
.068	A1	A1	A3	A4	A5
.1	A1	A1	A4	A4	A5
.15	A1	A2	A4	A4	A5
.22	A1/A2	A2	A4	A4	B4/C3
.33	A2	A2	A4	B4/C3	C3/D4
.47	A2	A2/A3	A5	B4/C3	D4
.68	A3	A3	A5/B4/C3	B4/C3	
1.00	A4	A4	B4/C3	D4	
1.5	A5	A5	C3/D4	D4	
2.2	A5/B4/C3	A5/B4/C3	D4		

CASE CODE	W (MAX)	H (MAX)	T (MAX)	P ± 0.5
A1	7.5	6.5	2.5	5.0
A2	7.5	8.0	3.5	5.0
A3	7.5	8.0	5.0	5.0
A4	7.5	10.0	6.0	5.0
A5	7.5	12.0	6.0	5.0
B4	10.0	12.0	6.0	7.5
C3	13.0	12.0	6.0	10.0
D4	18.0	14.5	8.5	15.0



CASE	Quantity	REEL	AMMOPACK	BULK
A1			2000	1000
A2			1500	1000
A3			1000	1000
A4			1000	1000
A5			1000	1000
B4	1000		1000	1000
C3	500		500	500
D4				500