



# SYNTON-TECH CORPORATION

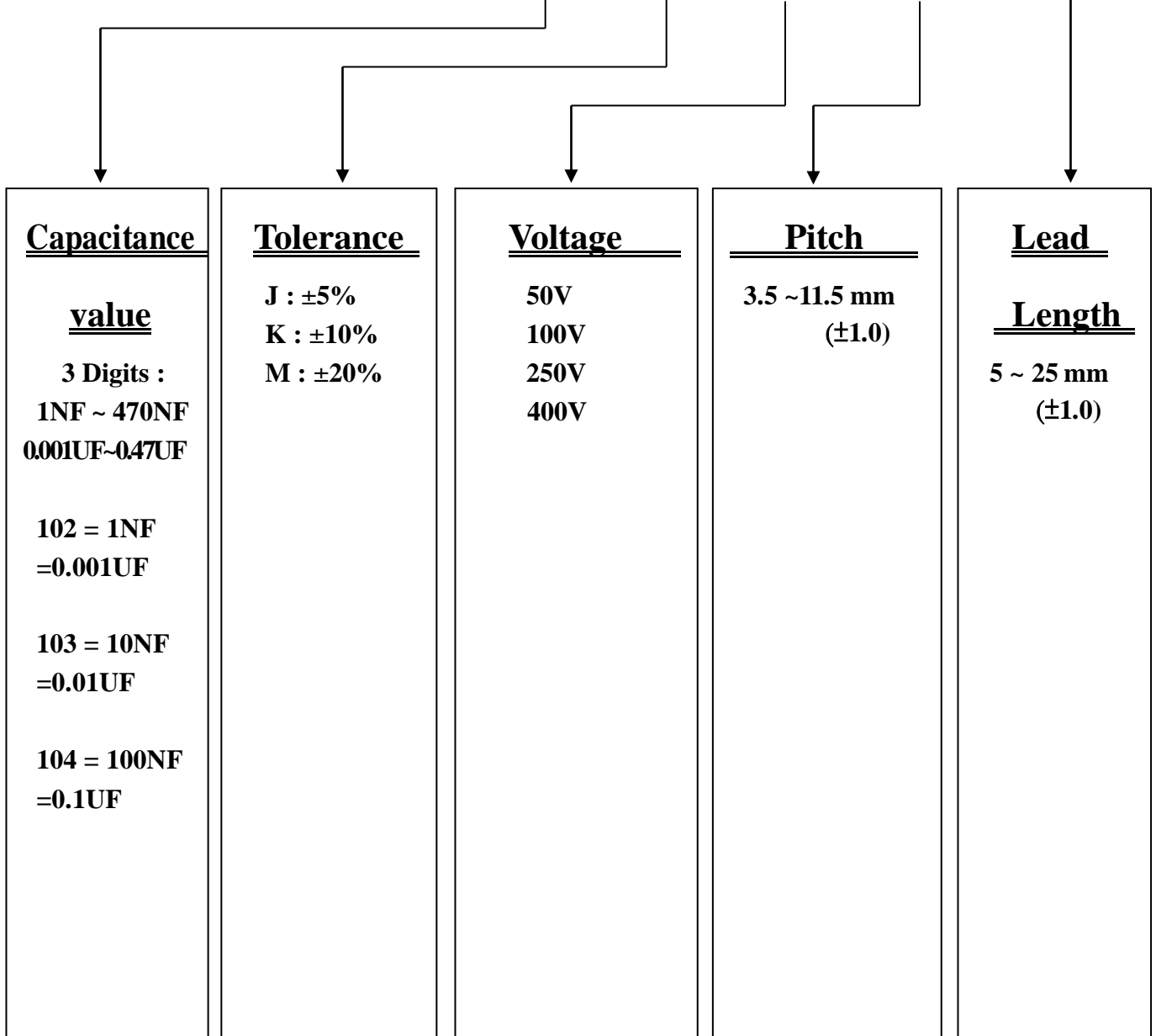
## POLYESTER FILM CAPACITOR

|           |            |
|-----------|------------|
| File No.: | M/C-02     |
| Version:  | A          |
| Page:     | 1/4        |
| Date:     | 2021.01.01 |

### ● Explanations Of Ordering Code

**DESCRIPTION : M/C 33NF 20% 250V 6.5X25mm**

**SYNTON CODE : M/C 333 M 250V 6.5 X 25**



| APPROVED | CHECKED | DESIGNED | REMARK | DOCUMENT NO. |
|----------|---------|----------|--------|--------------|
| Carol    | May     | Chen     |        | 0201010150   |



## ● Introduction

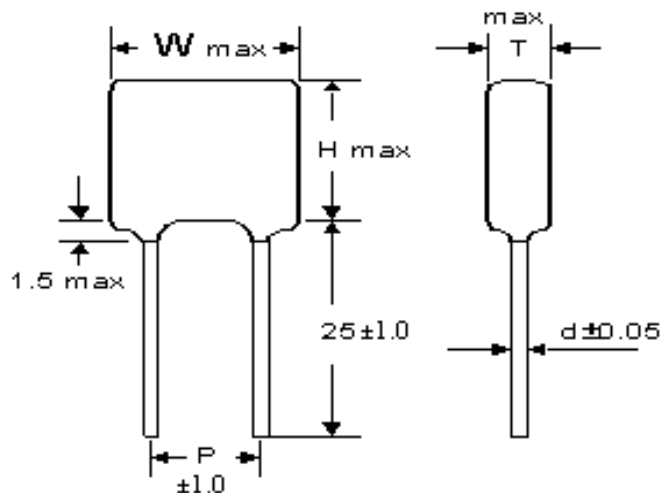
- 1.High moisture resistance.
- 2.Good solder ability.
- 3.Available on tape and reel for automatic insertion.
- 4.ESR. is minimized.

## ● Specification

- 1.Operating temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ .
- 2.Capacitance:  $0.001\mu\text{F} \sim 0.47\mu\text{F}$ . (1NF ~ 470NF)
- 3.Capacitance tolerance:  $\pm 5\%$ (J),  $\pm 10\%$ (K),  $\pm 20\%$ (M).
- 4.Range voltage: 50,100,250,400VDC.
5. Dissipation factor: 1% max. at 1KHz  $25^{\circ}\text{C}$
- 6.Insulation resistance:

Capacitance  $\leq 0.1\mu\text{F}$  More than 50,000  $\text{M}\Omega$

Capacitance  $> 0.1\mu\text{F}$  More than 5,000  $\text{M}\Omega \times \mu\text{F}$



Unit : mm



# SYNTON-TECH CORPORATION

## POLYESTER FILM CAPACITOR

|           |            |
|-----------|------------|
| File No.: | M/C-02     |
| Version:  | A          |
| Page:     | 3/4        |
| Date:     | 2021.01.01 |

| Capacitance |        |     | 50VDC/100VDC |       |     |      |     |
|-------------|--------|-----|--------------|-------|-----|------|-----|
| Symbol      | UF     | NF  | W            | H     | T   | P    | D   |
| 102         | 0.0010 | 1   | 5.5          | 10.0  | 3.0 | 3.5  | 0.5 |
| 122         | 0.0012 | 1.2 | 5.5          | 10.0  | 3.0 | 3.5  | 0.5 |
| 152         | 0.0015 | 1.5 | 5.5          | 10.0  | 3.0 | 3.5  | 0.5 |
| 182         | 0.0018 | 1.8 | 5.5          | 10.0  | 3.0 | 3.5  | 0.5 |
| 222         | 0.0022 | 2.2 | 5.5          | 10.0  | 3.0 | 3.5  | 0.5 |
| 272         | 0.0027 | 2.7 | 5.5          | 10.0  | 3.0 | 3.5  | 0.5 |
| 332         | 0.0033 | 3.3 | 5.5          | 10.0  | 3.0 | 3.5  | 0.5 |
| 392         | 0.0039 | 3.9 | 6.0          | 10.0  | 3.0 | 3.5  | 0.5 |
| 472         | 0.0047 | 4.7 | 6.0          | 10.0  | 3.0 | 3.5  | 0.5 |
| 562         | 0.0056 | 5.6 | 6.0          | 10.0  | 3.0 | 3.5  | 0.5 |
| 682         | 0.0068 | 6.8 | 6.0          | 10.0  | 3.0 | 3.5  | 0.5 |
| 822         | 0.0082 | 8.2 | 6.0          | 10.0  | 3.0 | 3.5  | 0.5 |
| 103         | 0.010  | 10  | 6.0          | 10.0  | 3.0 | 4.0  | 0.5 |
| 123         | 0.012  | 12  | 6.5          | 10.0  | 3.0 | 4.0  | 0.5 |
| 153         | 0.015  | 15  | 6.5          | 10.0  | 4.0 | 4.0  | 0.5 |
| 183         | 0.018  | 18  | 7.0          | 11.0  | 3.0 | 5.0  | 0.5 |
| 223         | 0.022  | 22  | 7.0          | 11.0  | 3.0 | 5.0  | 0.5 |
| 273         | 0.027  | 27  | 7.0          | 12.5. | 3.5 | 5.0  | 0.5 |
| 333         | 0.033  | 33  | 7.5          | 12.5  | 3.5 | 6.0  | 0.5 |
| 393         | 0.039  | 39  | 8.0          | 13.0  | 4.0 | 6.0  | 0.5 |
| 473         | 0.047  | 47  | 8.5          | 13.0  | 4.0 | 6.0  | 0.5 |
| 563         | 0.056  | 56  | 9.0          | 13.0  | 4.0 | 7.0  | 0.5 |
| 683         | 0.068  | 68  | 9.0          | 13.0  | 4.0 | 7.0  | 0.5 |
| 823         | 0.082  | 82  | 9.0          | 13.0  | 4.5 | 7.0  | 0.5 |
| 104         | 0.10   | 100 | 10.0         | 13.0  | 5.0 | 7.0  | 0.5 |
| 124         | 0.12   | 120 | 10.0         | 13.0  | 5.0 | 7.0  | 0.6 |
| 154         | 0.15   | 150 | 10.0         | 13.0  | 5.0 | 7.0  | 0.6 |
| 184         | 0.18   | 180 | 10.0         | 13.0  | 5.0 | 7.0  | 0.6 |
| 224         | 0.22   | 220 | 12.0         | 14.0  | 6.5 | 8.0  | 0.6 |
| 274         | 0.27   | 270 | 14.0         | 16.0  | 7.0 | 10.0 | 0.6 |
| 334         | 0.33   | 330 | 14.0         | 16.0  | 7.0 | 10.0 | 0.6 |
| 394         | 0.39   | 390 | 15.0         | 16.0  | 8.0 | 10.0 | 0.6 |
| 474         | 0.47   | 470 | 15.0         | 16.0  | 8.5 | 10.0 | 0.6 |



# SYNTON-TECH CORPORATION

## POLYESTER FILM CAPACITOR

|           |            |
|-----------|------------|
| File No.: | M/C-02     |
| Version:  | A          |
| Page:     | 4/4        |
| Date:     | 2021.01.01 |

| Capacitance |        |     | 250VDC |      |     |     |     | 400VDC |      |      |      |     |
|-------------|--------|-----|--------|------|-----|-----|-----|--------|------|------|------|-----|
| Symbol      | UF     | NF  | W      | H    | T   | P   | d   | W      | H    | T    | P    | d   |
| 102         | 0.0010 | 1   | 6.5    | 11.0 | 3.4 | 3.5 | 0.5 | 7.0    | 11.5 | 4.0  | 4.0  | 0.5 |
| 122         | 0.0012 | 1.2 | 6.5    | 11.0 | 3.4 | 3.5 | 0.5 | 7.2    | 12.0 | 4.0  | 4.0  | 0.5 |
| 152         | 0.0015 | 1.5 | 6.5    | 11.0 | 3.4 | 3.5 | 0.5 | 7.2    | 12.0 | 4.0  | 4.0  | 0.5 |
| 182         | 0.0018 | 1.8 | 6.5    | 11.0 | 3.4 | 3.5 | 0.5 | 7.5    | 12.5 | 4.0  | 4.0  | 0.5 |
| 222         | 0.0022 | 2.2 | 6.5    | 11.0 | 3.4 | 3.5 | 0.5 | 7.5    | 12.5 | 4.0  | 4.0  | 0.5 |
| 272         | 0.0027 | 2.7 | 6.5    | 11.0 | 3.5 | 3.5 | 0.5 | 8.0    | 13.0 | 4.5  | 6.0  | 0.5 |
| 332         | 0.0033 | 3.3 | 6.5    | 11.0 | 3.5 | 3.5 | 0.5 | 8.0    | 13.0 | 4.5  | 6.0  | 0.5 |
| 392         | 0.0039 | 3.9 | 6.5    | 11.0 | 3.5 | 3.5 | 0.5 | 9.0    | 14.0 | 5.0  | 6.0  | 0.5 |
| 472         | 0.0047 | 4.7 | 6.5    | 11.0 | 3.5 | 3.5 | 0.5 | 9.0    | 14.0 | 5.0  | 6.0  | 0.5 |
| 562         | 0.0056 | 5.6 | 7.0    | 11.0 | 4.0 | 5.0 | 0.5 | 9.5    | 14.0 | 5.5  | 6.0  | 0.5 |
| 682         | 0.0068 | 6.8 | 7.0    | 11.0 | 4.0 | 5.0 | 0.5 | 9.5    | 14.0 | 5.5  | 6.0  | 0.5 |
| 822         | 0.0082 | 8.2 | 8.0    | 13.0 | 4.0 | 5.0 | 0.5 | 10.5   | 15.0 | 6.7  | 7.0  | 0.5 |
| 103         | 0.010  | 10  | 8.0    | 13.0 | 4.0 | 5.0 | 0.5 | 10.5   | 15.0 | 6.7  | 7.0  | 0.5 |
| 123         | 0.012  | 12  | 8.3    | 13.5 | 4.5 | 5.0 | 0.5 | 12.0   | 15.5 | 8.0  | 7.0  | 0.5 |
| 153         | 0.015  | 15  | 8.3    | 13.5 | 4.5 | 5.0 | 0.5 | 12.0   | 15.5 | 8.0  | 7.0  | 0.5 |
| 183         | 0.018  | 18  | 9.0    | 14.0 | 5.7 | 6.5 | 0.5 | 12.0   | 18.5 | 8.0  | 7.0  | 0.6 |
| 223         | 0.022  | 22  | 9.0    | 14.0 | 5.7 | 6.5 | 0.5 | 12.0   | 18.5 | 8.0  | 7.0  | 0.6 |
| 273         | 0.027  | 27  | 10.0   | 15.0 | 6.3 | 6.5 | 0.5 | 13.5   | 21.0 | 8.0  | 9.0  | 0.6 |
| 333         | 0.033  | 33  | 10.0   | 15.0 | 6.3 | 6.5 | 0.5 | 13.5   | 21.0 | 8.0  | 9.0  | 0.6 |
| 393         | 0.039  | 39  | 12.5   | 17.5 | 8.5 | 6.5 | 0.6 | 15.5   | 22.0 | 9.5  | 9.0  | 0.6 |
| 473         | 0.047  | 47  | 12.5   | 17.5 | 8.5 | 6.5 | 0.6 | 15.5   | 22.0 | 9.5  | 9.0  | 0.6 |
| 563         | 0.056  | 56  | 13.8   | 21.0 | 8.5 | 7.5 | 0.6 | 17.5   | 23.5 | 11.5 | 9.0  | 0.6 |
| 683         | 0.068  | 68  | 13.8   | 21.0 | 8.5 | 7.5 | 0.6 | 17.5   | 23.5 | 11.5 | 9.0  | 0.6 |
| 823         | 0.082  | 82  | 16.0   | 22.0 | 9.5 | 8.5 | 0.6 | 19.0   | 24.5 | 11.0 | 11.5 | 0.6 |
| 104         | 0.10   | 100 | 16.0   | 22.0 | 9.5 | 8.5 | 0.6 | 19.0   | 24.5 | 11.0 | 11.5 | 0.6 |

### ● Voltage Code Marking:

|      |           |            |            |            |
|------|-----------|------------|------------|------------|
| WVDC | 50V       | 100V       | 250V       | 400V       |
| CODE | 50V or 1H | 100V or 2A | 250V or 2E | 400V or 2G |