

## FEATURES

- High stability and reliability
- Low ESR
- Non-inductive construction minimizes dissipation factor
- Epoxy resin coating



## CHARACTERISTICS

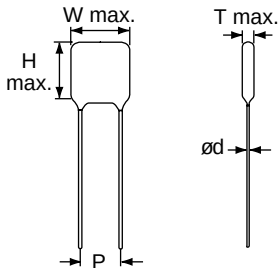
| Item                          | Characteristics                                |
|-------------------------------|------------------------------------------------|
| Operating Temperature Range   | -40°C ~ +85°C                                  |
| Capacitance Tolerance         | ±5%, ±10%, ±20%                                |
| Standard Working Voltage (WV) | 50, 100, 200                                   |
| Dissipation Factor            | 0.8% max. (1KHz), 25°C                         |
| Insulation Resistance         | ≤0.1μF is >20,000MΩ; >0.1μF is >2,000MΩ per μF |

## PART NUMBERING SYSTEM

| 1      | 4 | 3 | 2 | 2       | 1st digit        | 2nd digit | #<br>ø's  |  |
|--------|---|---|---|---------|------------------|-----------|-----------|--|
| 1      | 4 | 3 | 2 | 2       | 1                | 0         | 2         |  |
| Series |   |   |   | Voltage | Capacitance (pF) |           | Tolerance |  |

| Voltage (WV) Code: | Tolerance Code: |
|--------------------|-----------------|
| 5 = 50             | J = ±5%         |
| 1 = 100            | (blank) = ±10%  |
| 2 = 200            | M = ±20%        |

## DIMENSIONS



| Value<br>(μF) | Working Voltage (WV); Dimensions (mm) |        |     |                    |          |     |
|---------------|---------------------------------------|--------|-----|--------------------|----------|-----|
|               | 50 and 100                            |        |     | 200                |          |     |
|               | W x H x T                             | P      | ød  | W x H x T          | P        | ød  |
| 0.001         | 10.5 x 9.0 x 5.5                      | 7±1    | 0.6 | 10.5 x 9.0 x 6.0   | 7±1      | 0.6 |
| 0.0015        | 10.5 x 9.0 x 5.5                      | 7±1    | 0.6 | 10.5 x 9.0 x 6.0   | 7±1      | 0.6 |
| 0.0022        | 10.5 x 9.0 x 5.5                      | 7±1    | 0.6 | 10.5 x 9.0 x 6.0   | 7±1      | 0.6 |
| 0.0033        | 10.5 x 9.0 x 5.5                      | 7±1    | 0.6 | 10.5 x 9.0 x 6.0   | 7±1      | 0.6 |
| 0.0047        | 10.5 x 9.0 x 6.0                      | 7±1    | 0.6 | 10.5 x 9.0 x 6.0   | 7±1      | 0.6 |
| 0.0068        | 10.5 x 9.0 x 6.0                      | 7±1    | 0.6 | 10.5 x 9.0 x 6.0   | 7±1      | 0.6 |
| 0.01          | 10.5 x 9.0 x 6.0                      | 7±1    | 0.6 | 10.5 x 9.0 x 6.0   | 7±1      | 0.6 |
| 0.015         | 10.5 x 9.0 x 6.0                      | 7±1    | 0.6 | 13.5 x 10.0 x 6.0  | 10±1.5   | 0.6 |
| 0.022         | 11.0 x 9.0 x 6.0                      | 7±1    | 0.6 | 13.5 x 11.0 x 6.0  | 10±1.5   | 0.6 |
| 0.033         | 11.0 x 10.0 x 6.0                     | 7±1    | 0.6 | 13.5 x 13.0 x 7.0  | 10±1.5   | 0.6 |
| 0.047         | 13.5 x 11.0 x 6.5                     | 10±1.5 | 0.6 | 19.0 x 14.0 x 8.0  | 15±1.5   | 0.6 |
| 0.068         | 13.5 x 12.5 x 7.0                     | 10±1.5 | 0.6 | 19.0 x 16.0 x 9.0  | 15±1.5   | 0.8 |
| 0.1           | 14.0 x 13.0 x 8.0                     | 10±1.5 | 0.6 | 19.0 x 17.0 x 9.5  | 15±1.5   | 0.8 |
| 0.15          | 19.0 x 14.0 x 8.0                     | 15±1.5 | 0.8 | 19.0 x 18.0 x 10.0 | 15±1.5   | 0.8 |
| 0.22          | 19.0 x 16.0 x 8.5                     | 15±1.5 | 0.8 | 26.0 x 21.0 x 10.5 | 22±1.5   | 0.8 |
| 0.33          | 19.0 x 18.0 x 10.0                    | 15±1.5 | 0.8 | 26.0 x 22.0 x 11.5 | 22±1.5   | 0.8 |
| 0.47          | 26.0 x 21.0 x 12.5                    | 22±1.5 | 0.8 | 31.0 x 24.0 x 13.0 | 27.5±1.5 | 0.8 |

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