

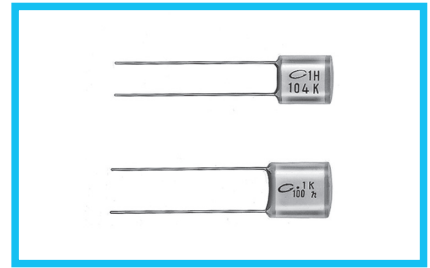


**THE DATASHEET OF
QYX1H102KTP3TA**



QYX Foil Type Polyester Film Capacitor (Standard type)

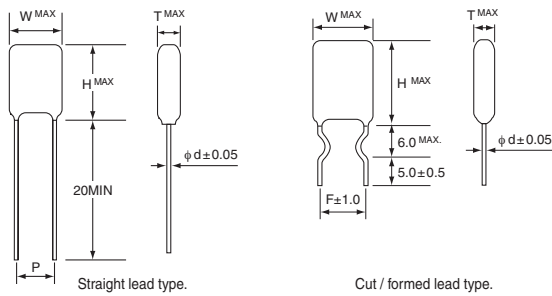
- Inductive construction, using a dielectric of polyester film together with aluminum foil.
- Coated with epoxy resin for superior heat resistance, humidity resistance and solvent resistance.
- Suited for use in commercial and industrial applications.
- Available for automatic insertion systems.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).



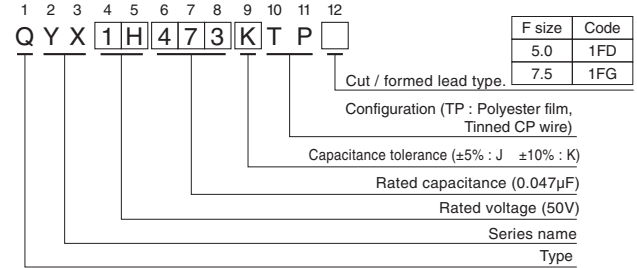
Specifications

| Item | Performance Characteristics |
|----------------------------|---|
| Category Temperature Range | -40 to +85°C |
| Rated Voltage | 50, 100VDC |
| Rated Capacitance Range | 0.001 to 0.47μF |
| Capacitance Tolerance | ±5% (J), ±10% (K) |
| Dielectric Loss Tangent | 0.8% or less (at 1kHz 20°C) |
| Insulation Resistance | 30000 MΩ or more |
| Withstand Voltage | Between Terminals : Rated Voltage × 250%, 1 to 5 secs. Between Terminals and Coverage : Rated Voltage × 200%, 1 to 5 secs. |
| Encapsulation | Epoxy resin |

Drawing



Type numbering system (Example : 50V 0.047μF)



Dimensions

Unit : mm

| Cap. (μF) | V (Code) Code | Size | 50VDC (1H) | | | | | 100VDC (2A) | | | | | | |
|-----------|------------------|------|------------|------|------|-----|---------------------------------------|-------------|-----|------|------|-----|--|-----|
| | | | T | W | H | d | P | F | T | W | H | d | P | F |
| 0.001 | 102 | | 2.5 | 5.0 | 8.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 2.8 | 5.5 | 11.5 | 0.5 | 3.5 ^{+1.0} / _{-1.2} | 5.0 |
| 0.0015 | 152 | | 2.5 | 5.0 | 8.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 2.8 | 5.5 | 12.0 | 0.5 | 3.5 ^{+1.0} / _{-1.2} | 5.0 |
| 0.0022 | 222 | | 3.0 | 5.5 | 8.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 2.8 | 5.5 | 12.0 | 0.5 | 3.5 ^{+1.0} / _{-1.2} | 5.0 |
| 0.0033 | 332 | | 3.0 | 5.5 | 8.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 2.8 | 5.5 | 12.0 | 0.5 | 3.5 ^{+1.0} / _{-1.2} | 5.0 |
| 0.0047 | 472 | | 3.0 | 6.0 | 8.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 3.0 | 6.0 | 12.0 | 0.5 | 3.5 ^{+1.0} / _{-1.2} | 5.0 |
| 0.0068 | 682 | | 3.5 | 6.0 | 8.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 3.0 | 6.0 | 12.0 | 0.5 | 5.0 ± 1.0 | 5.0 |
| 0.01 | 103 | | 3.5 | 6.0 | 8.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 3.0 | 6.5 | 12.0 | 0.5 | 5.0 ± 1.0 | 5.0 |
| 0.015 | 153 | | 3.5 | 6.0 | 10.0 | 0.5 | 3.5 ± 0.75 | 5.0 | 3.0 | 6.5 | 13.0 | 0.5 | 5.0 ± 1.0 | 5.0 |
| 0.022 | 223 | | 3.5 | 6.5 | 10.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 3.5 | 7.0 | 13.0 | 0.5 | 5.0 ± 1.0 | 5.0 |
| 0.033 | 333 | | 4.0 | 7.0 | 10.5 | 0.5 | 3.5 ± 0.75 | 5.0 | 3.5 | 7.5 | 13.0 | 0.5 | 5.0 ± 1.0 | 5.0 |
| 0.047 | 473 | | 4.5 | 7.5 | 11.0 | 0.5 | 5.0 ± 1.0 | 5.0 | 4.5 | 8.5 | 14.0 | 0.5 | 5.0 ± 1.0 | 5.0 |
| 0.068 | 683 | | 5.0 | 8.0 | 11.0 | 0.5 | 5.0 ± 1.0 | 5.0 | 4.5 | 9.5 | 14.0 | 0.5 | 7.5 ^{+1.0} / _{-1.2} | 7.5 |
| 0.1 | 104 | | 5.5 | 9.0 | 12.0 | 0.5 | 5.0 ± 1.0 | 5.0 | 5.5 | 11.0 | 14.0 | 0.5 | 7.5 ^{+1.0} / _{-1.2} | 7.5 |
| 0.15 | 154 | | 6.5 | 10.0 | 13.5 | 0.5 | 5.0 ± 1.0 | 5.0 | 6.0 | 12.5 | 15.5 | 0.5 | 10.0 ^{+1.0} / _{-1.2} | 7.5 |
| 0.22 | 224 | | 7.0 | 11.0 | 13.5 | 0.5 | 7.5 ^{+1.0} / _{-1.2} | 7.5 | 7.0 | 14.0 | 15.5 | 0.5 | 10.0 ^{+1.0} / _{-1.2} | 7.5 |
| 0.33 | 334 | | 8.0 | 12.5 | 16.0 | 0.6 | 7.5 ^{+1.0} / _{-1.2} | 7.5 | 8.0 | 14.5 | 18.5 | 0.6 | 10.0 ^{+1.0} / _{-1.2} | 7.5 |
| 0.47 | 474 | | 9.5 | 14.0 | 16.5 | 0.6 | 7.5 ^{+1.0} / _{-1.2} | 7.5 | 9.5 | 16.5 | 18.5 | 0.6 | 10.0 ^{+1.0} / _{-1.2} | 7.5 |

F : lead pitch for cut / formed lead wires.

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