# +250°C FILM CAPACITORS

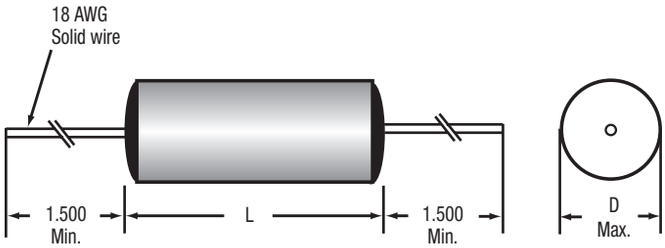



Dearborn's Type 911P capacitors are the answer for design engineers that must resolve problems in systems that need to perform at temperatures beyond ordinary capacitors.

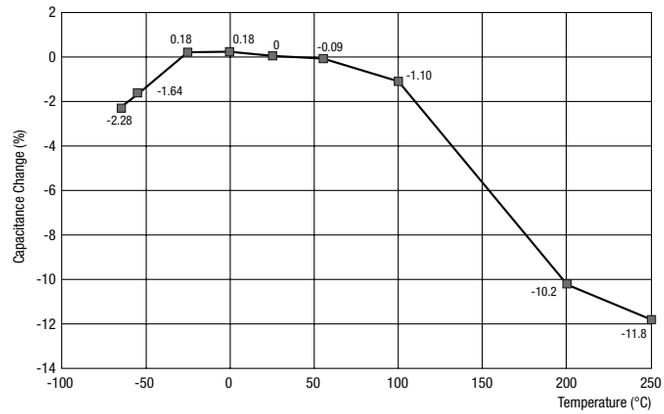
Manufactured from a polymer film that does not melt, and having a glass transition temperature (Tg) of over +320°C, the extraordinary 911P operates at +250°C without voltage de-rating. Packaged with a tape wrap and potting compound especially selected for extreme temperatures, these axial leaded capacitors provide a rugged, robust construction capable of withstanding harsh environments.

With a discrete metal foil termination providing extremely low loss characteristics and capable of withstanding high peak currents, the Type 911P capacitors offer stable capacitance (+/- 10%) from -55°C to +250°C with excellent insulation resistance.

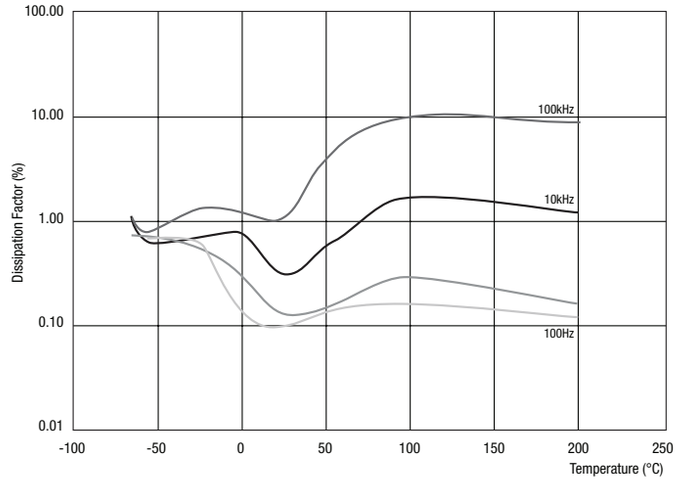
## DIMENSIONS (in inches)



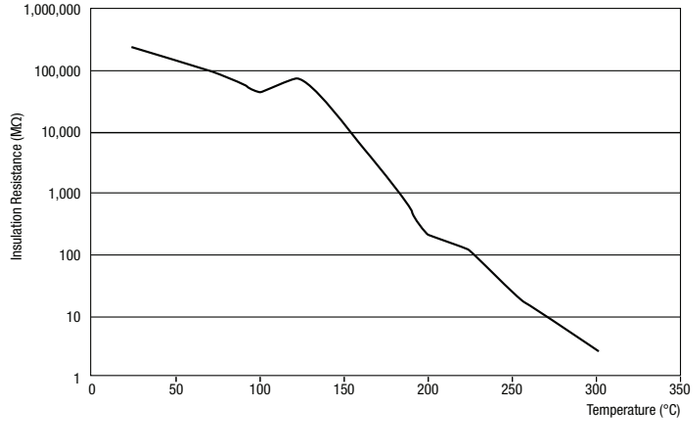

## CAPACITANCE CHANGE VS. TEMPERATURE @ 1KHZ




## DISSIPATION FACTOR VS. TEMPERATURE




## IR VS. TEMPERATURE



TYPE 911P

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## STANDARD RATINGS

| Capacitance | | Voltage Rating VDC | Diameter "D" Max. | Length L ± 0.062 |
|---|---|---|---|---|
| µF | Code | | | |
| 0.10 | 104 | 400 | 0.415 | 1.188 |
| 0.12 | 124 | 400 | 0.465 | 1.188 |
| 0.15 | 154 | 400 | 0.515 | 1.188 |
| 0.18 | 184 | 400 | 0.525 | 1.188 |
| 0.20 | 204 | 400 | 0.530 | 1.188 |
| 0.22 | 224 | 400 | 0.627 | 1.188 |
| 0.27 | 274 | 400 | 0.565 | 1.500 |
| 0.33 | 334 | 400 | 0.845 | 1.500 |
| 0.39 | 394 | 400 | 1.015 | 1.500 |
| 0.47 | 474 | 400 | 0.650 | 1.750 |
| 0.50 | 504 | 400 | 0.660 | 1.750 |
| 0.56 | 564 | 400 | 0.695 | 1.750 |
| 0.68 | 684 | 400 | 0.745 | 1.750 |
| 0.82 | 824 | 400 | 0.745 | 2.000 |
| 1.000 | 105 | 400 | 0.815 | 2.000 |
| 1.200 | 125 | 400 | 0.875 | 2.000 |
| 1.500 | 155 | 400 | 0.905 | 2.188 |
| 1.800 | 185 | 400 | 0.985 | 2.188 |
| 2.000 | 205 | 400 | 1.030 | 2.188 |
| 2.200 | 225 | 400 | 1.015 | 2.500 |
| 2.700 | 275 | 400 | 1.115 | 2.500 |

## CATALOG NUMBERING SYSTEM

**911P** **103** **X9** **400**

**DC Voltage rating:** 400 = 400 VDC
See standard ratings charts for voltage code.

**Capacitance Tolerance:** X9 = ±10%

**Capacitance:** Expressed in picofarads, the first two digits are significant figures; the third is the number of zeros following. See standard ratings tables for capacitance code.

**Dearborn type number:** Identifies the basic "911P" capacitor design.