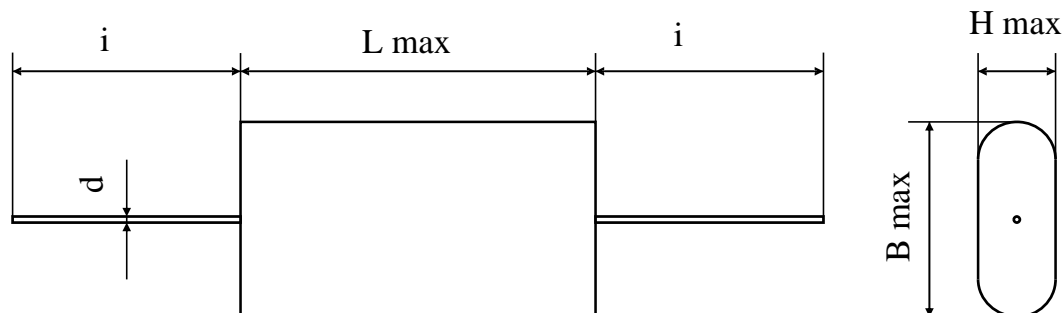


#6306

Power Electronics Capacitors

PPM 100-10.0 df K



Dielectric of metallized polypropylene  
 Polyester wrapped UL-510  
 Epoxy resin sealing

| Parameter                        | Symbol       | Value             | Unit               | Condition           |
|----------------------------------|--------------|-------------------|--------------------|---------------------|
| Capacitance                      | C            | 10.0              | $\mu\text{F}$      | 1 V / 1 kHz         |
| Tolerance                        |              | $\pm 10$          | %                  |                     |
| Rated voltage                    | Un DC        | 1000              | VDC                | 85°C                |
| Rated voltage                    | Un AC        | 120               | Veff               | 50-200 Hz           |
| slope of voltage variation       | du/dt max.   | 22                | V/ $\mu\text{sec}$ | max. repetitive     |
| RMS current permanent            | I RMS max.   | 9.2               | Aeff               | 50 - 120 kHz / 70°C |
| Tangent delta                    | tg $\delta$  | < 7.0             | 10 <sup>-4</sup>   | 1 V / 1 kHz         |
| Equivalent serie resistance      | ESR          | < 9.0             | m $\Omega$         | 1 V / 100 kHz       |
| Stray inductance                 | ESL          | $\leq 20$         | nH                 |                     |
| Insulation resistance            | Ri           | >100000           | M $\Omega$         | 500 VDC - 1 min     |
| Test voltage between terminals   | U T1         | 1500              | VDC                | 10 s                |
| Operating temp.                  |              | -55 / + 105 °C    |                    |                     |
| Estimated operational life (-3%) |              | 100000            | h                  | 1000 V / 70°C       |
| Dimension                        | Symbol       | Value             | Unit               | Conditions          |
| Width                            | B max        | 35.7              | mm                 |                     |
| Height                           | H max        | 20                | mm                 |                     |
| Length                           | L max        | 45                | mm                 |                     |
| Terminals                        |              |                   |                    |                     |
| Axial tinned wire                | d            | $\varnothing 1.2$ | mm                 |                     |
|                                  | i            | > 41              | mm                 |                     |
|                                  | M1           |                   |                    |                     |
|                                  | M0           |                   |                    |                     |
|                                  | Modification | Date              | Visa émetteur      |                     |

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**Leclanché**  
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HJJ

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