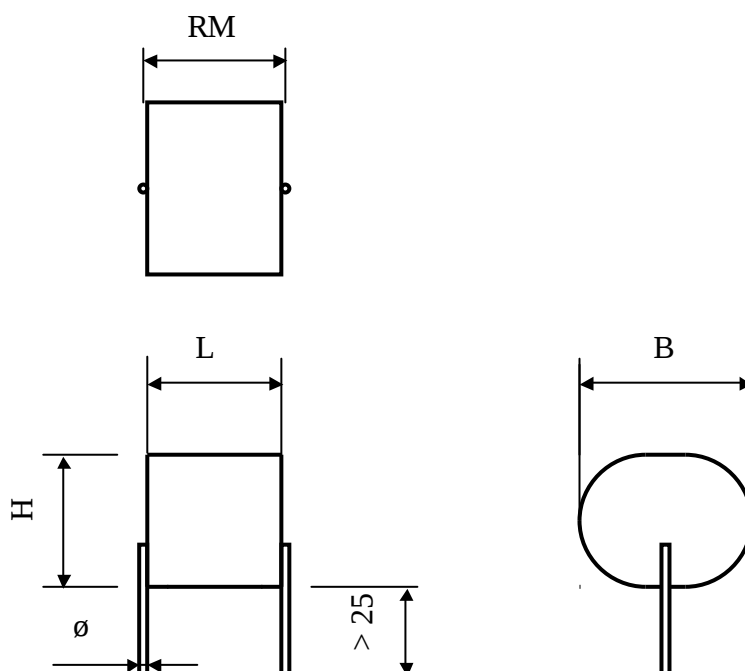


#5832

Power Electronics Capacitors

MKT 100-4.0 dip

Preliminary datasheet



Dielectric : metallized polyester

Epoxy resin dipped

| Parameter                       | Symbol        |      | Value          | Unit          | Condition       |
|---------------------------------|---------------|------|----------------|---------------|-----------------|
| Capacitance                     | C             |      | 4              | $\mu\text{F}$ | 1 V / 1 kHz     |
| Tolerance                       |               |      | -5 / + 10      | %             |                 |
| Rated voltage                   | Ur            |      | 1000           | VDC           | 100°C           |
| Rated voltage                   | Ur            |      | 850            | VDC           | 125°C           |
| Repetitive peak current         | I cr. max.    |      | 250            | A             |                 |
| Tangent delta                   | tg $\delta$   |      | $\leq 55$      | $10^{-4}$     | 1 kHz           |
| Stray inductance                | ESL           |      | $\leq 20$      | nH            |                 |
| Leakage Current                 | I F           |      | $< 0.7$        | mA            | 850 V / 120 °C  |
| Insulation resistance ( 23 °C ) | Ri            |      | $> 2000$       | M $\Omega$    | 500 VDC - 2 min |
| Test voltage between terminals  | U T           |      | 1250           | VDC           | 10 s            |
| Operating temperature           |               |      | - 55 / + 125   | °C            |                 |
|                                 |               |      |                |               |                 |
|                                 |               |      |                |               |                 |
| Dimension                       | Symbol        |      |                | Unit          | Conditions      |
| Width                           | B max         |      | 30.5           | mm            |                 |
| Height                          | H max         |      | 24             | mm            |                 |
| Length                          | L max         |      | 26             | mm            |                 |
|                                 |               |      |                |               |                 |
| Terminals                       |               |      |                |               |                 |
| Radial tinned cooper leads      | $\varnothing$ |      | 1              | mm            |                 |
| RM                              |               |      | $25.4 \pm 0.4$ | mm            |                 |
|                                 |               |      |                |               |                 |
|                                 |               |      |                |               |                 |
|                                 | M1            |      |                |               |                 |
|                                 | M0            |      |                |               |                 |
|                                 | Modification  | Date | Visa émetteur  |               |                 |

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**Le lanché**  
**Capacitors**  
A FISCHER & TALESCHE COMPANY

HJJ

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