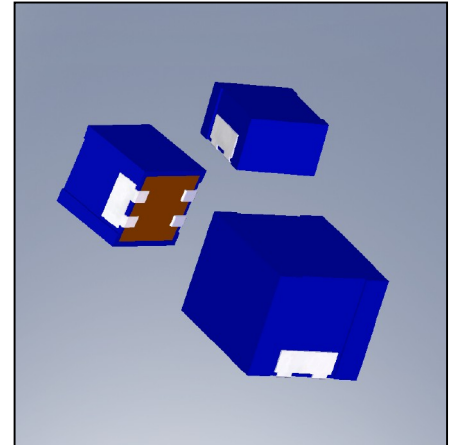
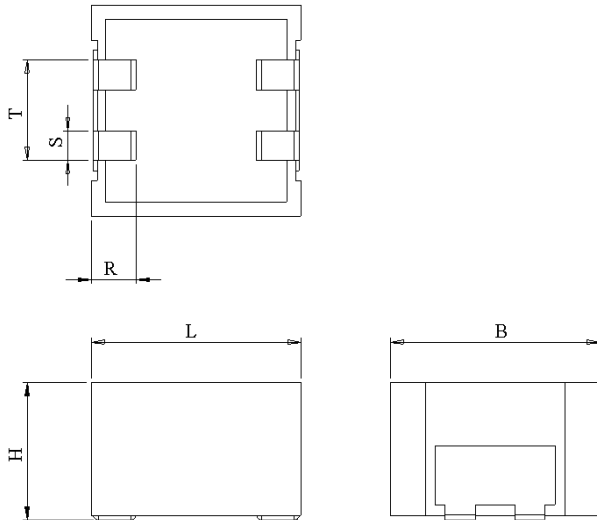


#5795

Power Electronics Capacitors

MKT 10-6.8 SMD M



Surface mount device - Self-extinguishing plastic housing  
Dielectric metallized polyester - Epoxy resin sealing UL 94-V0

| Parameter                      | Symbol            | Value           | Unit          | Condition        |
|--------------------------------|-------------------|-----------------|---------------|------------------|
| Capacitance                    | C                 | 6.8             | $\mu\text{F}$ | 1 V / 1 kHz      |
| Tolerance                      |                   | $\pm 20$        | %             |                  |
| Rated voltage                  | Un DC             | 100             | VDC           |                  |
| Rated voltage                  | Un AC             | 30              | Veff          | 50 Hz            |
| RMS current                    | I RMS max.        | 5.5             | Aeff          | 300 kHz / 105 °C |
| Tangent delta                  | $\text{tg}\delta$ | $\leq 90$       | $10^{-4}$     | 1 kHz            |
| Equivalent serie resistance    | ESR               | $\leq 5.5$      | m $\Omega$    | 300 kHz          |
| Stray inductance               | ESL               | $\leq 5$        | nH            |                  |
| Insulation resistance          | Ri                | $> 184$         | M $\Omega$    | 100 VDC - 1 min  |
| Test voltage between terminals | U T1              | 160             | VDC           | 10 s             |
| Climatic category              |                   | 55/125/21       |               |                  |
|                                |                   |                 |               |                  |
|                                |                   |                 |               |                  |
| Dimension                      | Symbol            | Value           | Unit          | Conditions       |
| Width                          | B max             | 15.5            | mm            |                  |
| Height                         | H max             | 12              | mm            |                  |
| Length                         | L max             | 16.5            | mm            |                  |
| Terminals                      |                   |                 |               |                  |
|                                | R                 | $2.25 \pm 0.25$ | mm            |                  |
|                                | S                 | $2 \pm 0.2$     | mm            |                  |
|                                | T                 | $7.0 \pm 0.2$   | mm            |                  |
|                                |                   |                 |               |                  |
|                                | M1                |                 |               |                  |
|                                | M0                |                 |               |                  |
|                                | Modification      | Date            | Visa émetteur |                  |

Condensateurs  
Kondensatoren  
Capacitors

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**Le Janché**  
**Capacitors**  
A RIBSCHER & TAUSCHER COMPANY

HJJ

20.03.2009

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