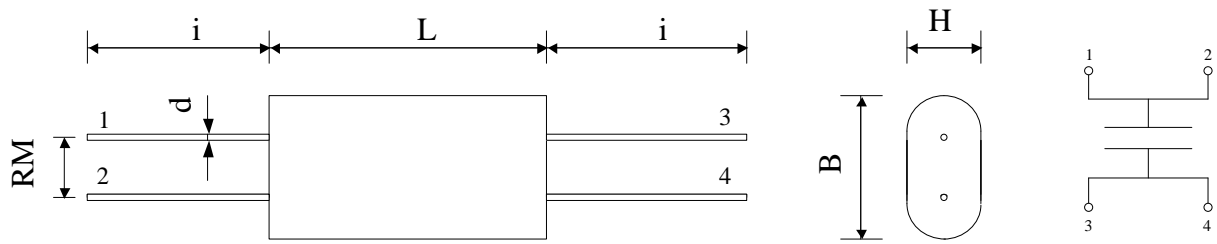


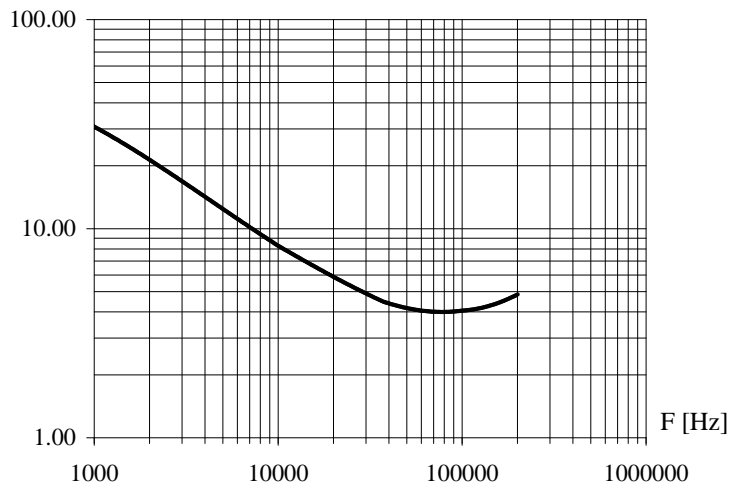
#5819

Power Electronics Capacitors

MKT-4 45-39.0 df K



ESR [mΩ] Equivalent serie resistance versus frequency



| Operating conditions | |
|-------------------------|---------------|
| Ambient Temperature [°] | Voltage [VDC] |
| 100 | 450 |
| 115 | 385 |
| 125 | 340 |

Dielectric metallized polyester Polyester wrapped UL 510 Epoxy resin end sealing UL 94-V0

| Parameter | Symbol | Value | Unit | Condition |
|--------------------------------|--------------|-----------------|------------------|---------------------|
| Capacitance | C | 39 | μF | 1 V / 1 kHz |
| Tolerance | | ± 10 | % | |
| Rated voltage | Ur | 450 | VDC | 100°C |
| Tangent delta | tgδ | ≤ 100 | 10 ⁻⁴ | 1 kHz |
| Equivalent serie resistance | ESR | ≤ 8.2 | mΩ | 10 kHz |
| Thermal resistance in air | Rth (hs-a) | 18.1 | °C/W | Hot spot - ambiance |
| Thermal resistance in air | Rth (hs-c) | 6.1 | °C/W | Hot spot - case |
| Stray inductance | ESL | ≤ 15 | nH | |
| Insulation resistance | Ri | > 256 | MΩ | 100 VDC - 1 min |
| Test voltage between terminals | U T1 | 720 | VDC | 10 s |
| Operating temperature | | - 55 / + 125 °C | | |
| Dimension | Symbol | Value | Unit | Conditions |
| Width | B max | 42 | mm | |
| Height | H max | 26 | mm | |
| Length | L max | 45 | mm | |
| Terminals | | | | |
| Radial tinned wire | d | 1.2 | mm | |
| RM | | 12.7 ± 2.0 | mm | |
| Length | i | ≥ 38 mm | | |
| | M1 | | | |
| | M0 | | | |
| | Modification | Date | Visa émetteur | |

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