



Capacitor Electrolytic of Aluminum / 100 µF / 16 Vcc / Radial / 105 °C / 5 x 11 mm

SKU: 0100M0016V Categoría: Misceláneo

\$25.54

Precios con IVA incluido

DESCRIPCIÓN

<div style='width: 100%; margin: 0 auto; font-family: sans-serif; line-height: 1.6; color: inherit; background-color: transparent;'><div style='margin-bottom: 30px;'><p style='text-align: justify; font-size: 16px; color: inherit; opacity: 0.9;'>Capacitor electrolytic of aluminum in radial configuration, designed for applications of filtering, coupling and decoupling in electronic circuits of low voltage. It offers a capacity of 100 µF with nominal voltage of 16 Vcc, operation guaranteed in a wide range of temperature up to 105 °C, and characteristics of low equivalent series resistance (ESR) that make it suitable for switching power supplies, linear regulators and filtering stages in telecommunication equipment, automation and industrial electronics. Its compact cylindrical encapsulation of 5 mm diameter by 11 mm length allows high density mounting on printed circuit boards with restrictions of space.</p></div><div style='margin-bottom: 30px;'><h3 style='font-size: 18px; margin-bottom: 15px; color: inherit; opacity: 0.9;'>Características Generales</h3><ul style='padding-left: 20px; margin: 0;'><li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Capacidad: 100 µF<li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Tensión nominal: 16 Vcc<li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Temperatura de operación: -40 °C a +105 °C<li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Tolerancia de capacidad: ±20% (a 120 Hz, 20 °C)<li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Factor de disipación (tanδ): 0.22 (a 120 Hz, 20 °C)<li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Corriente de rizado: 170 mA (a 105 °C, 120 Hz)<li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Corriente de fuga: I = 0.01CV ó 3 µA (el mayor)<li style='margin-bottom: 8px; color: inherit; opacity: 0.85;'>Resistencia interna (ESR): 0.18 Ω</div><div style='display: flex; flex-wrap: wrap; gap: 20px; margin-bottom: 30px;'><div style='flex: 1; min-width: 250px; border: 1px solid rgba(150, 150, 150, 0.3); border-radius: 8px; padding: 20px; background-color: transparent;'><h4 style='margin-top: 0; margin-bottom: 15px; font-size: 16px; color: inherit; opacity: 0.9;'>Desempeño Eléctrico</h4><ul style='padding-left: 18px; margin: 0; list-style-type: none;'><li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Capacidad: 100 µF<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Tensión nominal: 16 Vcc<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Tolerancia capacidad: ±20% (a 120 Hz, 20 °C)<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Factor disipación (tanδ): 0.22 (a 120 Hz, 20 °C)<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Corriente de rizado: 170 mA (a 105 °C, 120 Hz)<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Corriente de fuga: I = 0.01CV ó 3 µA (el mayor)<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>ESR: 0.18 Ω</div><div style='flex: 1; min-width: 250px; border: 1px solid rgba(150, 150, 150, 0.3); border-radius: 8px; padding: 20px; background-color: transparent;'><h4 style='margin-top: 0; margin-bottom: 15px; font-size: 16px; color: inherit; opacity: 0.9;'>Físicas y Térmicas</h4><ul style='padding-left: 18px; margin: 0; list-style-type: none;'><li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Diámetro (ψD): 5 mm<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Longitud (L): 11 mm<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Paso (P): 2.0 mm<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Diámetro alivio (ψd): 0.5 mm<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Ancho terminales (a): 1.5 mm<li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Tipo de montaje: Radial en PCB</div></div><div style='flex: 1; min-width: 250px; border: 1px solid rgba(150, 150, 150, 0.3); border-radius: 8px; padding: 20px; background-color: transparent;'><h4 style='margin-top: 0; margin-bottom: 15px; font-size: 16px; color: inherit; opacity: 0.9;'>Contenido del Paquete</h4><ul style='padding-left: 18px; margin: 0; list-style-type: none;'><li style='margin-bottom: 10px; color: inherit; opacity: 0.85;'>Capacitor electrolytic of aluminum radial 100 µF, 16 Vcc</div></div></div>

ESPECIFICACIONES

Característica 1	Tolerancia térmica garantizada de -40 °C a +105 °C para operación extrema
Característica 2	Corriente de rizado de 170 mA a 105 °C para filtrado estable en fuentes de alimentación
Característica 3	Factor de disipación tan? de 0.22 para bajas pérdidas energéticas
Característica 4	ESR de 0.18 ? que minimiza calentamiento en conmutación de alta frecuencia
Característica 5	Tolerancia de capacidad ±20% para diseños robustos con margen de seguridad
Característica 6	Formato radial compacto con paso de 2.0 mm para integración densa en PCB