



Capacitor Electrolytic of Aluminum / 470 µF / 16 Vcc / 105 °C / Radial / 8 x 11 mm

SKU: CE470/16V Categoría: Misceláneo

\$4.96

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 with radial configuration designed for applications of filtering and coupling in power and industrial electronics sources. Offers a capacitance of 470 µF with nominal voltage of 16 Vcc, operating in a wide temperature range from -40 °C to +105 °C. Its ripple current of 305 mA at 105 °C and 120 Hz ensures stability under demanding thermal load conditions. Its compact dimensions of 8 mm diameter by 11 mm length allow its integration into high-density PCB designs. Complies with RoHS directives and offers a useful life of 2000 hours at maximum operating temperature.</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='list-style: none; padding: 0; margin: 0;'><li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Capacitancia: 470 µF (±20% a 120 Hz, 20 °C)<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Voltage nominal: 16 Vcc<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Temperature of operation: -40 °C to +105 °C<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Ripple current: 305 mA (105 °C, 120 Hz)<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Dissipation factor (tan δ): 0.18 (120 Hz, 20 °C)<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Leakage current: 0.01CV or 3 µA (whichever is higher)<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Resistance to isolation: 5000 MΩ min. (500 Vdc)<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Resistance to humidity: 90-95% HR at 40 °C<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Resistance to vibration: 10 Hz to 55 Hz<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Thermal cycle: -40 °C to +105 °C<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.3); color: inherit; opacity: 0.85;'>• Useful life: 2000 hours at 105 °C</div><div style='margin-bottom: 30px;'><h3 style='font-size: 18px; margin-bottom: 15px; color: inherit; opacity: 0.9;'>Desempeño Eléctrico</h3><ul style='list-style: none; padding: 0; margin: 0;'><li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Capacitancia: 470 µF<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Voltage nominal: 16 Vcc<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Tolerance: ±20%<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Ripple current: 305 mA<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Factor of dissipation: 0.18<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Leakage current: 0.01CV or 3 µA</div><div style='margin-bottom: 30px;'><h3 style='font-size: 18px; margin-bottom: 15px; color: inherit; opacity: 0.9;'>Físicas y Ambientales</h3><ul style='list-style: none; padding: 0; margin: 0;'><li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Dimensions: 8 x 11 mm (Ø x L)<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Configuration: Radial<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Temperature: -40 °C to +105 °C<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Humidity: 90-95% HR at 40 °C<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Vibration: 10 Hz to 55 Hz<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Useful life: 2000 h at 105 °C</div><div><h3 style='font-size: 18px; margin-bottom: 15px; color: inherit; opacity: 0.9;'>Aplicaciones Típicas</h3><ul style='list-style: none; padding: 0; margin: 0;'><li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Power supply<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Filtering circuits<li style='padding: 8px 0; border-bottom: 1px solid rgba(150, 150, 150, 0.2); color: inherit; opacity: 0.8;'>Industrial equipment</div></div>

ESPECIFICACIONES

Característica 1	Alta capacitancia de 470 µF para filtrado eficiente de rizado
Característica 2	Corriente de rizado de 305 mA a 105 °C para estabilidad térmica
Característica 3	Rango operativo extendido de -40 °C a +105 °C
Característica 4	Vida útil de 2000 horas a temperatura máxima
Característica 5	Cumplimiento RoHS para compatibilidad ambiental
Característica 6	Diseño radial compacto para montaje en PCB de alta densidad