

Capacitor 50V, 47000 μ F

Reference: AM5512

EAN13: -

HS code: 85415100



Product attributes:

Product features:

Rated voltage: 50 V DC

Waterproof grade: IP20

Max. operating temperature: 105 °C

Product description:

High-performance aluminum electrolytic capacitor with a capacity of 47,000 μ F and a nominal voltage of 50 V for smoothing and voltage stabilization in power supplies, audio amplifiers and industrial applications. Thanks to its large capacity and robust screw terminals, it provides reliable operation even at high current peaks.

Technical specifications

- Capacity: 47,000 μ F
- Rated voltage: 50 V DC
- Capacitance tolerance: \pm 20% (typ.)
- Type: Aluminum electrolytic capacitor
- Design: Radial / THT, screw terminals
- Operating temperature: $-40 \dots +105$ °C
- Polarity: marked (positive pole)
- Dimensions: \varnothing 50 mm \times height 105 mm
- Weight: 200g
- Protection: IP20 (intended for installation in a closed device)
- Shell color: black
- Package: Through-Hole (clamp/bracket recommended for mounting)

Functions and features

- Very high capacity - effective smoothing and reduction of ripple at the power supply output
- Low ESR (typ.) and ability to carry high pulse currents
- Screw terminals for safe and low-loss connections
- Resistance up to $+105$ °C for reliable long-term operation
- Suitable for parallel/series connection when following the balancing rules

Ideal for

- Filter elements for power supplies and switching power supplies
- Audio amplifiers (main smoothing capacitor)
- Inverters, DC motors and industrial control systems
- Laboratory supplies and repair applications

Package contents

- 1x electrolytic capacitor 50 V 47,000 μ F (50 \times 105 mm)

Why choose this product?

Combining high capacity, robust construction and easy connection via screw terminals, it is ideal where a stable and clean power supply with minimal ripple and a margin for current peaks is needed - in audio, industry and power supply development.

