



APEXON SOLUTIONS LLC TECHNICAL DATA SYSTEMS DIVISION DOCUMENT ID: TDS-KEM-ALS31C1115NF-2026

[DOCUMENT START]

Product Description: The KEMET ALS31C1115NF is a high-performance screw terminal aluminum electrolytic capacitor engineered for demanding industrial power applications. As part of the ALS31 series, this component offers exceptional ripple current capability and long-term reliability, making it a preferred choice for frequency converters, uninterruptible power supplies (UPS), and high-output switch-mode power supplies (SMPS).

Core Specifications: **Product ID (MPN):** ALS31C1115NF **Manufacturer:** KEMET **Series:** ALS31 **Capacitance:** 1100 μ F **Capacitance Tolerance:** +/-20% **Rated Voltage:** 315 VDC **Surge Voltage:** 362 VDC **Temperature Range:** -40°C to +85°C **Rated Life:** 20,000 Hours at 85°C

Electrical & Mechanical Data: **Leakage Current:** 2079 μ A **Resistance (ESR):** 113 mOhms at 100Hz **Ripple Current:** 7.9 Amps at 100Hz 85°C **Termination Style:** Screw Terminal (M5) **Construction:** Cylindrical Aluminum Can **Sleeve:** High-Grade Insulating PVC **Climatic Category:** 40/085/56 **RoHS Compliance:** Yes

Physical Dimensions: **Diameter:** 51 mm **Length:** 105 mm **Weight:** 300 g

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