

Overview

The KEMET ALR81 is the introduction of rectangular packaging in the Aluminum Electrolytic Capacitor product offering. Rated at 105°C, the ALR81 offers good volumetric efficiency in a shape that lends itself to stacking into modules. A robust series, the capacitor case is stainless steel.

The ALR81 is available to customers in the EMEA and Asian regions. Customers interested in partnering with KEMET to align region and performance requirements can [contact your local Sales Representative for more information](#).

Applications

Ideally designed for applications needing bulk capacitance, less weight, lower profile, high vibration, burn-in reliability, or high altitude capability.

Benefits

- Rectangular shape for good volumetric efficiency and modular stacking
- Life, up to 5,000 hours at +105°C, rated voltage, and rated ripple current
- High vibration option up to 80 g
- No voltage derating is necessary
- Polyester wrap for insulation
- Halogen-free



Part Number System

ALR81	A	152	CH	072		A
Series	Termination	Capacitance Code (μF)	Size Code	Rated Voltage (VDC)		Vibration/High Reliability
Aluminum Rectangular	See Termination Table	First two digits represent significant figures. Third digit specifies number of zeros.	See Dimension Table	024 = 24 048 = 48 072 = 72 120 = 120	180 = 180 250 = 250 275 = 275	A = Standard V* = Anti-Vibration R = High Reliability M* = Anti-Vibration and High Reliability

*Only available on 45 mm width

KEMET Electronics Corporation Sales Offices

For a complete list of our global sales offices, please visit www.kemet.com/sales.

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Although KEMET designs and manufactures its products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.

KEMET requires its products to be packaged and shipped on pallets. This is because KEMET's products are specifically designed to be packed onto pallets during shipment. If for any reason, the products are removed from pallets by the shipping party and shipped to the end customer, then additional external protection is required. In this instance, an external box with two carton layers and an upwards orientation sticker must be used by the shipping party, with the empty space filled with filling material, and afterwards sealing the box. If this packing and packaging guideline is not followed by the shipping party, the shipping party, and not KEMET, will be held responsible for any packaging, packing and/or product damages upon delivery of the products to the end customer. KEMET hereby disclaims any liability for damages to the products or otherwise that have been, or threaten to be, inflicted, result from or are in any way related to the packaging, packing or damage by the shipping party in contravention of the packing and packaging guidelines herein.