

Overview

The KEMET ALR91 is a robust aluminum rectangular design for applications requiring high temperatures, high vibration, and high reliability. It offers good capacitance results at low temperature ranges. Use at altitudes of up to 24,400 meters (80,000 feet) is possible. Rated at 125°C, the ALR91 offers good volumetric efficiency in a shape that lends itself to stacking into modules and ease of use with a heat sink. The capacitor case is stainless steel.

The ALR91 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

Power Hold-up:

- Shipboard antennae
- Power holdup in the radio system of a fighter jet
- Fighter sticks-and-throttles unit
- Missile system
- Helicopter actuator system
- Military power amplifiers
- Military power PC cards and modules
- Airliner braking-systems
- Helicopter actuators
- Avionics power supply designs
- Beam Radar
- Xmit/rcv module

Benefits

- Rectangular shape for good volumetric efficiency, modular stacking, and ease of heat sinking
- Life of 5,000 hours at +125°C and rated voltage
- High reliability burn-in is standard on all parts
- High vibration up to 80 g
- Great capacitance performance at low temperature ranges (capable to -55°C)
- Use up to 24,400 meters (80,000 feet) altitude
- Polyester wrap for insulation
- Halogen-free



Part Number System

ALR91	A	201	CF	150		R
Series	Termination	Capacitance Code (μF)	Size Code	Rated Voltage (VDC)		Performance
Aluminum Rectangular	See Termination Table	First two digits represent significant figures. Third digit specifies number of zeros.	See Dimension Table	020 = 20 040 = 40 060 = 60 100 = 100	150 = 150 200 = 200 250 = 250	R = High Reliability (for 26 mm width) M = Anti-Vibration and High Reliability (for 45 mm width)

KEMET Electronics Corporation Sales Offices

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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.

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