



Aluminum Capacitors

AHD SERIES

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BASIC OVERVIEW

This series solves critical thermal management and space-constraint challenges in demanding industrial automation, and high-density power supply applications. In these environments, ambient heat often degrades standard components, leading to premature system failures. Our +135°C hybrid capacitors prevent thermal runaway while maintaining ultra-low ESR and high ripple current capabilities.

APPLICATIONS

- DC/DC power supply stages inside 5G base stations
- Outdoor telecom enclosures
- Motor control drives
- Industrial robotics actuator
- Servo drives

GENERAL CHARACTERISTICS

We expanded this premium hybrid aluminum capacitor series to meet the escalating technical demands of next-generation applications, push our portfolio's thermal boundaries to a record +135°C, and capture highly demanding market opportunities. As our most advanced and high-tier product line, this expansion was developed in anticipation of strict industry trends in IA, automotive, industrial, and power electronics, where components must deliver exceptional reliability under extreme heat.

KEY SPECIFICATIONS

High temperature up to +135°C

Low ESR

Small case size

TOP SELLING POINTS

- High temperature up to +135°C
- Low ESR
- Small case size





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HOW TO ORDER

A	HD	1010	271	M	035	R	-
Product Type Aluminum	Series Type	Case Size See Chart Online	Capacitance Code μ code: 1st two digits represent significant figures, multiplier (number of zeros to follow)	Tolerance M = $\pm 20\%$	Rated DC Voltage 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc 063 = 63Vdc 080 = 80Vdc	Packaging R = 15" Reel (Material details available upon request)	Special No Code = Std.



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