



# Single-Ended Conductive Polymer Aluminum Solid Electrolytic Capacitors

## A750, A755, A758 & A759 Series, 105°C/125°C



### Why Choose KEMET

KEMET Electronics Corporation is a leading global supplier of electronic components. We offer our customers the broadest selection of capacitor technologies in the industry, along with an expanding range of electromechanical devices, electromagnetic compatibility solutions and supercapacitors. Our vision is to be the preferred supplier of electronic component solutions for customers demanding the highest standards of quality, delivery and service.

### Features & Benefits

- Through-hole form factor
- Low impedance
- High ripple current
- Long life
- 105°C/5,000 hours
- 105°C/2,000 hours (for A750)
- 125°C/2,000 hours (for A759)
- RoHS compliant

### Product Checklist

- What are the operational conditions of your application? Do you have a specification available?
  - What is the applied voltage VDC?
  - What is the operational temperature?
  - What is the applied ripple current spectrum?
  - What life expectancy is required?
  - What are the end of life criteria?
- Does the application have size constraints? If so, what are they?
- Does the application require UL recognized sleeving?

For more information, samples and engineering kits, please visit us at [www.kemet.com](http://www.kemet.com) or call 1.877.myKEMET.

### Applications

- LED driver power supplies
- Phone chargers
- Motherboards
- Servers and adapters (laptop power supplies)
- Medical equipment



### KEMET Electrical/Physical Characteristics

Series	Case Sizes	Tolerances	Dielectric	Temperature Range	Rated Voltage	Capacitance Range
A750	5 to 10 mm diameter, 7 to 12 mm lengths	± 20% at 120 Hz + 20°C	Conductive Polymer Aluminum Solid Electrolytic	-55°C to +105°C	2.5 to 25 VDC	47 – 1,500 µF
A755	5 to 10 mm diameter, 11 to 12 mm lengths					
A758	5 to 8 mm diameter, 7 to 8 mm lengths					
A759	5 to 18 mm diameter, 11 to 31 mm lengths			-55°C to +125°C	35 to 250 VDC	2.2 – 680 µF



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### Ordering Information

#### A750 Series

A	750	EK	567	M	0E	AA	E020
Capacitor Class	Series	Size Code	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)	Packaging	ESR
A = Aluminum	Single-Ended Conductive Polymer Solid Capacitor 105°C 2,000 hour	See Dimension Table	First two digits represent significant figures for capacitance values. Last digit specifies the number of zeros to be added.	M = ±20%	2.5 = 0E 4 = 0G 6.3 = 0J 10 = 1A 16 = 1C 25 = 1E	See Ordering Options Table	Last 3 digits represent significant figures for ESR values (mΩ)

#### A755 Series

A	755	KS	687	M	0E	AA	E014
Capacitor Class	Series	Size Code	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)	Packaging	ESR
A = Aluminum	Single-Ended Conductive Polymer Solid Capacitor 105°C 5,000 hour	See Dimension Table	First two digits represent significant figures for capacitance values. Last digit specifies the number of zeros to be added.	M = ±20%	2.5 = 0E 4 = 0G 6.3 = 0J 10 = 1A 16 = 1C 20 = 1D 25 = 1E	See Ordering Options Table	Last 3 digits represent significant figures for ESR values (mΩ)

#### A758 Series

A	758	EK	337	M	0E	AA	E018
Capacitor Class	Series	Size Code	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)	Packaging	ESR
A = Aluminum	Single-Ended Conductive Polymer Solid Capacitor 105°C 5,000 hour Miniature	See Dimension Table	First two digits represent significant figures for capacitance values. Last digit specifies the number of zeros to be added.	M = ±20%	2.5 = 0E 4 = 0G 6.3 = 0J 10 = 1A 16 = 1C 25 = 1E	See Ordering Options Table	Last 3 digits represent significant figures for ESR values (mΩ)

#### A759 Series

A	759	EK	337	M	0E	AA	E090
Capacitor Class	Series	Size Code	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)	Packaging	ESR
A = Aluminum	Single-Ended Conductive Polymer Solid Capacitor 125°C 2,000 Hour	See Dimension Table	First two digits represent significant figures for capacitance values. Last digit specifies the number of zeros to be added.	M = ±20%	35 = 1V 50 = 1H 63 = 1J 100 = 2A 160 = 2C 250 = 2E	See Ordering Options Table	Last 3 digits represent significant figures for ESR values (mΩ)