



Surface Mount Conductive Polymer Aluminum Solid Electrolytic Capacitors

A765 & A767 Series, 105°C

Electronic Components
KEMET
CHARGED®

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

- Surface mount form factor
- Miniature (for A765)
- Ultra-low impedance
- High ripple current
- High voltage (for A767)
- 105°C/2,000 hours
- 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 or call 1.877.myKEMET.

Applications

A765 Series

- Phone chargers
- Servers & motherboards
- Consumer electronics

A767 Series

- Industrial & switch power supplies
- Industrial control systems



KEMET Electrical/Physical Characteristics

Series	Case Sizes	Tolerances	Dielectric	Temperature Range	Rated Voltage	Capacitance Range
A765	5 to 10 mm diameter, 6 to 12.6 mm length	± 20% at 120 Hz + 20°C	Conductive Polymer Aluminum Solid Electrolytic	-55°C to +105°C	2.5 to 35 VDC	10 – 2,700 µF
A767	6.3 to 10 mm diameter, 5.7 to 12.6 mm length				35 to 50 VDC	18 – 220 µF

Ordering Information

A765 Series

A	765	EB	397	M	0E	LA	E020
Capacitor Class	Series	Size Code	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)	Packaging	ESR
A = Aluminum	Surface Mount Conductive Polymer Solid Capacitors 105°C 2,000 hour Ultra-Low Impedance	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 35 = 1V	LA = Tape & Reel	Last 3 digits represent significant figures for ESR values (mΩ)

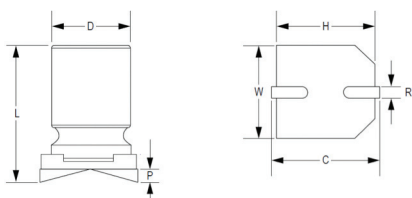
A767 Series

A	767	EB	226	M	1H	LA	E050
Capacitor Class	Series	Size Code	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)	Packaging	ESR
A = Aluminum	Surface Mount Conductive Polymer Solid Capacitors 105°C 2,000 hour High Voltage	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	LA = Tape & Reel	Last 3 digits represent significant figures for ESR values (mΩ)

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A765 & A767 Series, 105°C

Dimension in Millimeters



A765 Series

Size Code	D		L		W		H		C		R	P
	Nom	Tol	Nom	Tol	Nom	Tol	Nom	Tol	Nom	Tol	Nom	Nom
BC	5	±0.5	6	±0.3	5.3	±0.2	5.3	±0.2	6	±0.2	0.5-0.8	1.4
BG	5	±0.5	7	±0.3	5.3	±0.2	5.3	±0.2	6	±0.2	0.5-0.8	1.4
EB	6.3	±0.5	5.7	±0.3	6.6	±0.2	6.6	±0.2	7.3	±0.2	0.5-0.8	2.1
EG	6.3	±0.5	7	±0.3	6.6	±0.2	6.6	±0.2	7.3	±0.2	0.5-0.8	2.1
EK	6.3	±0.5	8	±0.3	6.6	±0.2	6.6	±0.2	7.3	±0.2	0.5-0.8	2.1
EN	6.3	±0.5	9.7	±0.3	6.6	±0.2	6.6	±0.2	7.3	±0.2	0.5-0.8	2.1
KH	8	±0.5	7.5	±0.3	8.3	±0.2	8.3	±0.2	9	±0.2	0.8-1.1	3.2
KN	8	±0.5	9.7	±0.3	8.3	±0.2	8.3	±0.2	9.0	±0.2	0.8-1.1	3.2
MU	10	±0.5	12.6	±0.3	10.3	±0.2	10.3	±0.2	11.0	±0.2	0.8-1.1	4.6

A767 Series

Size Code	D		L		W		H		C		R	P
	Nom	Tol	Nom	Tol	Nom	Tol	Nom	Tol	Nom	Tol	Nom	Nom
EB	6.3	±0.5	5.7	±0.3	6.6	±0.2	6.6	±0.2	7.3	±0.2	0.5-0.9	2.1
KN	8	±0.5	9.7	±0.3	8.3	±0.2	8.3	±0.2	9.0	±0.2	0.8-1.1	3.2
MU	10	±0.5	12.6	±0.3	10.3	±0.2	10.3	±0.2	11.0	±0.2	0.8-1.1	4.6