



The DNA of tech.™

# ALUMINUM ELECTROLYTIC CAPACITORS

SMD • Radial • Axial

SMD Design									
	Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life <sup>(1)</sup>	Case Size (mm)	Additional Features
Standard	<b>Vishay BCcomponents</b> 	<a href="#">153 CRV</a>	●	6.3 V to 100 V	0.47 µF to 1 mF	105 °C	Up to 3000 h	4 x 5.3 to 10 x 14	RoHS-compliant
		<a href="#">140 CRH</a>		6.3 V to 63 V	10 µF to 4.7 mF	125 °C	Up to 6000 h	8 x 10 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020
Low Impedance	<b>Vishay BCcomponents</b> 	<a href="#">150 CRZ</a>	●	6.3 V to 100 V	4.7 µF to 10 mF	105 °C	Up to 10 000 h	8 x 10 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020
		<a href="#">146 CTI</a>	●	16 V to 100 V	10 µF to 4.7 mF	125 °C	Up to 6000 h	8 x 10 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020, high temperature
		<a href="#">160 CLA</a>	●	16 V to 80 V	47 µF to 3.3 mF	150 °C	Up to 2000 h	12.5 x 13 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020, advanced temperature
Low Impedance / High Vibration	<b>Vishay BCcomponents</b> 	<a href="#">250 CRZ-V</a>	●	6.3 V to 100 V	220 µF to 10 mF	105 °C	Up to 10 000 h	16 x 16 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020
		<a href="#">246 CTI-V</a>	●	16 V to 100 V	150 µF to 4.7 mF	125 °C	Up to 6000 h	16 x 16 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020, high temperature
		<a href="#">260 CLA-V</a>	●	16 V to 80 V	150 µF to 3.3 mF	150 °C	Up to 2000 h	16 x 16 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020, advanced temperature
High Voltage	<b>Vishay BCcomponents</b> 	<a href="#">152 CME</a>	●	400 V to 450 V	2.2 µF to 33 µF	105 °C	Up to 6000 h	10 x 10 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020
		<a href="#">192 CTX</a>	●	400 V	2.2 µF to 33 µF	125 °C	Up to 2500 h	10 x 10 to 18 x 21	RoHS-compliant, AEC-Q200 qualified, JEDEC® J-STD-020, high temperature
Conductive Polymer	<b>Vishay BCcomponents</b> 	<a href="#">180 CPS</a>		2.5 V to 35 V	22 µF to 2.7 mF	105 °C	2500 h	5.3 x 5.7 to 10.4 x 12.6	RoHS-compliant
		<a href="#">181 CPL</a>		4.0 V to 35 V	18 µF to 820 µF	105 °C	5000 h	6.6 x 5.9 to 10.4 x 12.6	RoHS-compliant
		<a href="#">184 CPNS</a>	●	2.5 V to 100 V	4.7 µF to 3.3 mF	105 °C	2000 h	4.0 x 5.5 to 10 x 12.4	RoHS-compliant
		<a href="#">185 CPNZ</a>	●	6.3 V to 50 V	10 µF to 1.5 mF	105 °C	5000 h	6.3 x 5.8 to 10 x 12.4	RoHS-compliant
		<a href="#">186 CPNT</a>	●	6.3 V to 50 V	10 µF to 1.5 mF	125 °C	2000 h	6.3 x 5.8 to 10 x 12.4	RoHS-compliant, high temperature
Hybrid Polymer	<b>Vishay BCcomponents</b> 	<a href="#">182 CPHZ</a>	●	16 V to 80 V	10 µF to 1.5 mF	105 °C	10 000 h	5 x 5.8 to 10 x 16.5	RoHS-compliant
		<a href="#">183 CPHI</a>	●	25 V to 80 V	10 µF to 330 µF	125 °C	4000 h	5 x 5.8 to 10 x 10.5	RoHS-compliant, high temperature






Note  
<sup>(1)</sup> At upper category temperature



The DNA of tech.™

# ALUMINUM ELECTROLYTIC CAPACITORS

SMD • Radial • Axial

Radial Design									
	Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life <sup>(1)</sup>	Case Size (mm)	Additional Features
Standard	Vishay BCcomponents 	<a href="#">048 RML</a>		6.3 V to 63 V	100 µF to 10 mF	105 °C	Up to 4000 h	10 x 12 to 18 x 35	RoHS-compliant
		<a href="#">142 RHS</a>	●	10 V to 450 V	1 µF to 22 mF	105 °C	Up to 2500 h	5 x 11 to 18 x 40	RoHS-compliant
		<a href="#">148 RUS</a>	●	6.3 V to 100 V	47 µF to 22 mF	105 °C	Up to 3000 h	10 x 12 to 18 x 35	RoHS-compliant
		<a href="#">140 RTM</a>		6.3 V to 63 V	22 µF to 4.7 mF	125 °C	Up to 4000 h	10 x 12 to 18 x 31	RoHS-compliant, AEC-Q200 qualified, high temperature
Low Impedance	Vishay BCcomponents 	<a href="#">136 RVL</a>		10 V to 100 V	22 µF to 10 mF	105 °C	Up to 10 000 h	10 x 12 to 18 x 35	RoHS-compliant
		<a href="#">150 RMI</a>	●	10 V to 100 V	100 µF to 8.2 mF	105 °C	Up to 10 000 h	8 x 12 to 18 x 40	RoHS-compliant, AEC-Q200 qualified
		<a href="#">146 RTI</a>	●	16 V to 63 V	68 µF to 6.8 mF	125 °C	Up to 6000 h	10 x 12 to 18 x 35	RoHS-compliant, AEC-Q200 qualified, high temperature
		<a href="#">160 RLA</a>	●	16 V to 50 V	33 µF to 3.3 mF	150 °C	Up to 2000 h	10 x 12 to 18 x 35	RoHS-compliant, AEC-Q200 qualified, advanced temperature
Very Low Impedance	Vishay BCcomponents 	<a href="#">170 RVZ</a>	●	10 V to 63 V	100 µF to 6.8 mF	105 °C	Up to 10 000 h	10 x 12 to 18 x 40	RoHS-compliant, AEC-Q200 qualified
		<a href="#">172 RLX</a>	●	10 V to 50 V	150 µF to 15 mF	105 °C	Up to 10 000 h	10 x 12 to 18 x 40	RoHS-compliant, AEC-Q200 qualified
		<a href="#">190 RTL</a>	●	16 V to 50 V	100 µF to 6.8 mF	125 °C	Up to 6000 h	10 x 12 to 18 x 35	RoHS-compliant, AEC-Q200 qualified, high temperature
Low Impedance / High Vibration	Vishay BCcomponents 	<a href="#">250 RMI-V</a>	●	10 V to 100 V	330 µF to 8.2 mF	105 °C	Up to 10 000 h	16 x 20 to 18 x 40	RoHS-compliant, AEC-Q200 qualified
		<a href="#">246 RTI-V</a>	●	16 V to 63 V	390 µF to 6.8 mF	125 °C	Up to 6000 h	16 x 20 to 18 x 35	RoHS-compliant, AEC-Q200 qualified, high temperature
		<a href="#">260 RLA-V</a>	●	16 V to 50 V	470 µF to 3.3 mF	150 °C	Up to 2000 h	16 x 25 to 18 x 35	RoHS-compliant, AEC-Q200 qualified, advanced temperature
High Voltage	Vishay BCcomponents 	<a href="#">152 RMH</a>	●	200 V to 400 V	1.5 µF to 220 µF	105 °C	Up to 4000 h	10 x 12 to 18 x 35	RoHS-compliant, AEC-Q200 qualified




Note  
<sup>(1)</sup> At upper category temperature



# ALUMINUM ELECTROLYTIC CAPACITORS

## SMD • Radial • Axial

The DNA of tech.™

Axial Design									
	Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life <sup>(1)</sup>	Case Size (mm)	Additional Features
Standard		<a href="#">021 ASM</a>	●	6.3 V to 100 V	1.0 $\mu$ F to 15 mF	85 °C	Up to 8000 h	4.5 x 10 to 21 x 38	RoHS-compliant
		<a href="#">030/031 AS</a>		6.3 V to 100 V	1.0 $\mu$ F to 1.0 mF	85 °C	Up to 3000 h	4.5 x 10 to 10 x 25	RoHS-compliant
		<a href="#">138 AML</a>		6.3 V to 100 V	1.0 $\mu$ F to 15 mF	105 °C	Up to 10 000 h	6.3 x 12.7 to 21 x 38	RoHS-compliant
		<a href="#">118 AHT</a>	●	6.3 V to 200 V	2.2 $\mu$ F to 10 mF	125 °C	Up to 8000 h	6.5 x 18 to 21 x 38	RoHS-compliant, high temperature
		<a href="#">119 AHT-DIN</a>		10 V to 100 V	4.7 $\mu$ F to 4.7 mF	125 °C	Up to 8000 h	6.5 x 18 to 21 x 38	RoHS-compliant, high temperature
High Voltage		<a href="#">041-043 ASH</a>	●	160 V to 450 V	1 $\mu$ F to 220 $\mu$ F	85 °C	Up to 15 000 h	6.5 x 18 to 10 x 30	RoHS-compliant
Low Impedance		<a href="#">120 ATC</a>	●	16 V to 100 V	47 $\mu$ F to 6.8 mF	125 °C	Up to 8000 h	10 x 30 to 21 x 38	RoHS-compliant, AEC-Q200 qualified, high temperature
		<a href="#">125 ALS</a>	●	10 V to 63 V	47 $\mu$ F to 18 mF	105 °C	Up to 10 000 h	6.5 x 18 to 21 x 38	RoHS-compliant, AEC-Q200 qualified
		<a href="#">126 ATX</a>	●	10 V to 63 V	33 $\mu$ F to 12 mF	125 °C	Up to 8000 h	6.5 x 18 to 21 x 38	RoHS-compliant,, AEC-Q200 qualified high temperature

**Note**<sup>(1)</sup> At upper category temperature