



The DNA of tech.®

ALUMINUM ELECTROLYTIC CAPACITORS

SMD • Radial • Axial

SMD Design									
	Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life ⁽¹⁾	Case Size (mm)	Additional Features
Standard	Vishay BCcomponents 	153 CRV	●	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
		140 CRH		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
		142 CVZ	●	6.3 V to 100 V	1 µF to 2.2 mF	105 °C	Up to 3000 h	4 x 5.7 to 12.5 x 13	RoHS-compliant
Low Impedance	Vishay BCcomponents 	150 CRZ	●	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
		146 CTI	●	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
		160 CLA	●	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	Vishay BCcomponents 	250 CRZ-V	●	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
		246 CTI-V	●	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
		260 CLA-V	●	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	Vishay BCcomponents 	152 CME	●	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
		192 CTX	●	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	Vishay BCcomponents 	180 CPS		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
		181 CPL		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
		184 CPNS	●	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
		185 CPNZ	●	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
		186 CPNT	●	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	Vishay BCcomponents 	182 CPHZ	●	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
		183 CPHT	●	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
⁽¹⁾ At upper category temperature



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	Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life ⁽¹⁾	Case Size (mm)	Additional Features
Standard	Vishay BCcomponents 	048 RML		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
		142 RHS	●	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
		148 RUS		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
		140 RTM		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 	136 RVL		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
		150 RMI	●	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
		146 RTI	●	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
		160 RLA	●	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 	170 RVZ	●	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
		172 RLX	●	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
		190 RTL	●	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 	250 RMI-V	●	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
		246 RTI-V	●	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
		260 RLA-V	●	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 	152 RMH	●	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
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Axial Design									
	Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life ⁽¹⁾	Case Size (mm)	Additional Features
Standard		021 ASM	●	6.3 V to 100 V	1.0 μ F to 15 mF	85 °C	Up to 8000 h	4.5 x 10 to 21 x 38	RoHS-compliant
		030/031 AS		6.3 V to 100 V	1.0 μ F to 1.0 mF	85 °C	Up to 3000 h	4.5 x 10 to 10 x 25	RoHS-compliant
		138 AML		6.3 V to 100 V	1.0 μ F to 15 mF	105 °C	Up to 10 000 h	6.3 x 12.7 to 21 x 38	RoHS-compliant
		118 AHT	●	6.3 V to 200 V	2.2 μ F to 10 mF	125 °C	Up to 8000 h	6.5 x 18 to 21 x 38	RoHS-compliant, high temperature
		119 AHT-DIN		10 V to 100 V	4.7 μ 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		041-043 ASH	●	160 V to 450 V	1 μ F to 220 μ F	85 °C	Up to 15 000 h	6.5 x 18 to 10 x 30	RoHS-compliant
Low Impedance		120 ATC	●	16 V to 100 V	47 μ 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
		125 ALS	●	10 V to 63 V	47 μ F to 18 mF	105 °C	Up to 10 000 h	6.5 x 18 to 21 x 38	RoHS-compliant, AEC-Q200 qualified
		126 ALX	●	10 V to 63 V	33 μ 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⁽¹⁾ At upper category temperature