









ALUMINUM ELECTROLYTIC CAPACITORS

SMD • Radial • Axial

SMD Design									
	Product Family	Series	Focus Series	Voltage	Cap.	Temp.	Useful Life*	Case Size (mm)	Additional Features
Standard	 Vishay Roederstein	ECA		6.3 V to 100 V	0.1 μ F to 2.2 mF	85 °C	up to 2000 h	4 x 5.3 to 12.5 x 13.5	RoHS compliant
		ECV		6.3 V to 50 V	10 μ F to 2.2 mF	105 °C	up to 2000 h	4 x 5.3 to 12.5 x 13.5	RoHS compliant
	 Vishay BCcomponents	153 CRV	•	6.3 V to 100 V	0.47 μ F 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 μ F 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	 Vishay Roederstein	ECL		6.3 V to 50 V	10 μ F to 1.5 mF	105 °C	up to 2000 h	6 x 5.8 to 12.5 x 13.5	RoHS compliant
		 Vishay BCcomponents	150 CRZ	•	6.3 V to 100 V	4.7 μ F to 10 mF	105 °C	up to 10000 h	8 x 10 to 18 x 21
	146 CTI		•	16 V to 100 V	10 μ F 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 μ F 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 Imp./ High Vibration	 Vishay BCcomponents	250 CRZ-V	•	6.3 V to 100 V	220 μ F to 10 mF	105 °C	up to 10000 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 μ F 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 μ F 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

Radial Design									
	Product Family	Series	Focus Series	Voltage	Cap.	Temp.	Useful Life*	Case Size (mm)	Additional Features
Standard	 Vishay Roederstein	EKA		6.3 V to 450 V	1 μ F to 22 mF	85 °C	up to 2000 h	5 x 11 to 18 x 40	RoHS compliant
		EKB		6.3 V to 450 V	2.2 μ F to 22 mF	105 °C	up to 2000 h	5 x 11 to 18 x 40	RoHS compliant
	 Vishay BCcomponents	038 RSU		6.3 V to 100 V	2.2 μ F to 22 mF	85 °C	up to 3500 h	5 x 11 to 18 x 40	RoHS compliant
		048 RML		6.3 V to 63 V	100 μ F 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 μ F 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 μ F 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 μ F to 4.7 mF	125 °C	up to 4000 h	10 x 12 to 18 x 31	RoHS compliant, AEC-Q200 qualified, high temperature
		 Vishay BCcomponents	013 RLC		6.3 V to 50 V	2.2 μ F to 470 μ F	85 °C	up to 3000 h	5 x 11 to 8.2 x 11
	036 RSP			6.3 V to 160 V	2.2 μ F to 470 μ F	85 °C	up to 3000 h	5 x 11 to 8.2 x 11	RoHS compliant, all-insulated
	116 RLL			6.3 V to 100 V	1.5 μ F to 470 μ F	105 °C	up to 2000 h	5 x 11 to 8.2 x 11	RoHS compliant, all-insulated

* At upper category temperature

A WORLD OF
SOLUTIONS




ALUMINUM ELECTROLYTIC CAPACITORS

SMD • Radial • Axial

Radial Design (continued)

	Product Family	Series	Focus Series	Voltage	Cap.	Temp.	Useful Life*	Case Size (mm)	Additional Features
Low Profile		097 RLP 7		6.3 V to 63 V	0.1 µF to 220 µF	85 °C	up to 1500 h	4 x 7 to 6.3 x 7	RoHS compliant
		134 RLP 5		6.3 V to 50 V	1.0 µF to 100 µF	85 °C	up to 1500 h	4.5 x 7 to 6.3 x 5	RoHS compliant
Low Impedance		136 RVI	•	10 V to 100 V	22 µF to 10 mF	105 °C	up to 10000 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 10000 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
	Vishay Roederstein	EKE	•	6.3 V to 450 V	0.22 µF to 15 mF	105 °C	up to 5000 h	5 x 11 to 18 x 40	RoHS compliant
Low Imp. / High Vibration		250 RMI-V	•	10 V to 100 V	330 µF to 8.2 mF	105 °C	up to 10000 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 40	RoHS compliant, AEC-Q200 qualified, high temperature
High Voltage		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
		Vishay Roederstein	EKV		200 V to 450 V	1 µF to 150 µF	105 °C	up to 10000 h	10 x 12.5 to 18 x 31.5

Axial Design

	Product Family	Series	Focus Series	Voltage	Cap.	Temp.	Useful Life*	Case Size (mm)	Additional Features
Standard		021 ASM	•	6.3 V to 100 V	1 µF 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 µF to 1 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 µF to 15 mF	105 °C	up to 10000 h	6.3 x 12.7 to 21 x 38	RoHS compliant
		118 AHT	•	6.3 V to 200 V	2.2 µF 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 200 V	4.7 µF to 4.7 mF	125 °C	up to 8000 h	6.5 x 18 to 21 x 38	RoHS compliant
High Voltage	Vishay BCcomponents	041-043 ASH		160 V to 450 V	1 µF to 220 µF	85 °C	up to 15000 h	6.5 x 18 to 21 x 38	RoHS compliant
Low Impedance	Vishay BCcomponents	120 ATC	•	16 V to 100 V	47 µF to 68 mF	125 °C	up to 8000 h	10 x 30 to 21 x 38	RoHS compliant, AEC-Q200 qualified, high temperature

* At upper category temperature