

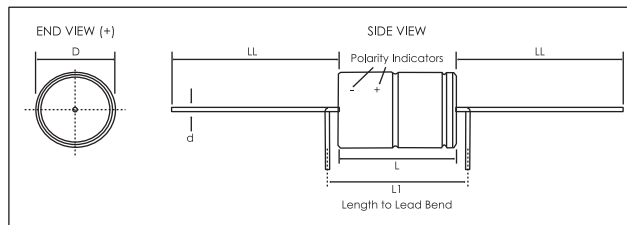
- 2000 hours at +150°C
- Extremely high ripple current capability
- High vibration stability
- AEC-Q200 automotive qualified, RoHS Compliant



Items	Characteristics		
Operating Temperature Range (°C)	-40 ~ +150		
Voltage Range (V)	25 ~ 63		
Capacitance Range (μF)	250 ~ 4700		
Capacitance Tolerance (20°C,100Hz)	-10/+30%,( ± 20% select values)		
Leakage Current (μA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.003CV+4.0 . C: Nominal Capacitance(μF) V: Rated Voltage(V)		
Equivalent Series Resistance (20°C, 100Hz/100kHz)	Less than values shown in the standard ratings.		
Load Life	Ripple Current: Maximum ripple current specified in the standard ratings. Voltage: The sum of DC voltage and the peak AC voltage must not exceed the rated voltage of capacitor.		
	D(mm)	+125°C Life Time (hours)	+150°C Life Time (hours)
	16	6300	1500
	18/20	8400	2000
	Capacitance Change: Within 15% of the initial value. Equivalent Series Resistance: Not more than 200% of the initial value. Leakage Current: Not more than the initial specified value. (All specifications should be test at +20°C Life ambient temperature. )		
Shelf Life	5000 hours at +105°C or 10 years at +40°C 0 VDC		
Vibration Test	Procedure: Displacement amplitude max.1.5mm, acceleration max.20 g, duration 3×2h, frequency range 10 ~ 2000 Hz (capacitor clamped by body). Requirements: No leakage of electrolyte or other visible damage. Deviations in capacitance from initial value must not exceed ΔC/C < 5%.		
Standards	IEC 60384-4, AEC-Q200		

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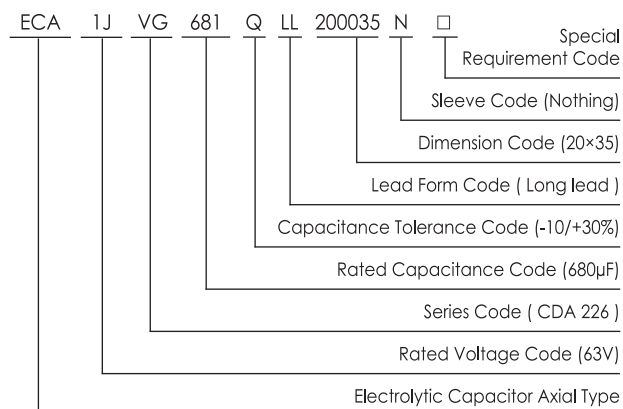
## Dimensions mm



Dimension Code	D	L	L1	d	Bulk LL	Approximate Weight (g)
	±0.5	±1.0	Min.	±0.03	-2/+2	
160027	16	26.5	33	1.0	40	8
160035	16	34.5	41	1.0	40	11
200027	20	26.5	33	1.0	40	13
200035	20	34.5	41	1.0	40	20
200043	20	42.5	49	1.0	40	24

Note: L1 is Jianghai's recommendation for minimum distance between symmetrical lead bend.

## Part Number System (Ex:63V680μF)



## Ripple Current Coefficient

Frequency (Hz)	100	300	1K	5K	100K
Coefficient	0.35	0.57	0.80	1.00	1.04

## Ratings for CDA 226 Series

U <sub>r</sub> Code	Rated Capacitance	Max ESR				Ripple Current					Size ΦD x L	P/N
						Max			Rated	Max		
						20°C, 100Hz	20°C, 100kHz	20°C, 100kHz				
(V)	(μF)	(mΩ)	(mΩ)	(mΩ)	(Arms)1*	(Arms)1*	(Arms)1*	(Arms)	(Arms)	(mm)	-	
25 (1E)	1500	72	36	12.7	16.8	10.6	4.7	5.9	7.4	16x27	ECA1EVG152M□□160027	
	2200	51	26	9.7	19.2	12.1	5.4	7.2	9.1	16x35	ECA1EVG222M□□160035	
	2200	50	25	10.6	22.2	14.0	6.3	7.1	9.1	20x27	ECA1EVG222Q□□200027	
	3300	34	17	7.8	25.8	16.3	7.3	8.9	11.3	20x35	ECA1EVG332Q□□200035	
	4700	25	13	6.4	28.5	18.0	8.1	10.3	13.1	20x43	ECA1EVG472Q□□200043	
40 (1G)	800	100	36	13.6	16.2	10.2	4.6	5.6	7.2	16x27	ECA1GVG801Q□□160027	
	1200	69	26	10.3	18.6	11.8	5.3	7.0	8.8	16x35	ECA1GVG122Q□□160035	
	1500	57	22	10.0	22.8	14.4	6.5	7.3	9.3	20x27	ECA1GVG152Q□□200027	
	2200	41	17	7.9	25.7	16.2	7.3	8.9	11.2	20x35	ECA1GVG222Q□□200035	
	2700	32	13	6.7	27.9	17.6	7.9	10.1	12.8	20x43	ECA1GVG272Q□□200043	
63 (1J)	250	227	53	26.9	11.5	7.3	3.3	4.0	5.1	16x27	ECA1JVG251Q□□160027	
	370	155	37	19.2	13.6	8.6	3.9	5.1	6.4	16x35	ECA1JVG371Q□□160035	
	470	125	32	17.5	17.3	10.9	4.9	5.5	7.0	20x27	ECA1JVG471Q□□200027	
	680	87	23	13	20.0	12.7	5.7	6.9	8.7	20x35	ECA1JVG681Q□□200035	
	900	67	18	10.6	22.2	14.0	6.3	8.1	10.2	20x43	ECA1JVG901Q□□200043	

Note: 1\* Capacitor-mounted with low thermal resistance path (heat-sink).