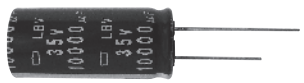
LBV Series

LBV
Downsized
LBG



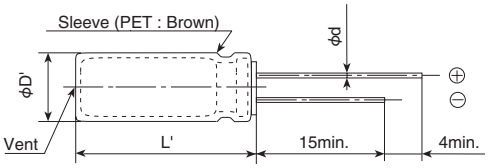
- Downsizing of LBG series.
- For airbag application and power supply application
- High capacitance, low ESR and good low temperature behavior
- Endurance with ripple current : 5,000 hours at 105℃
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS2 Compliant
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.

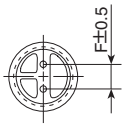
◆SPECIFICATIONS

Items	Characteristics			
Category Temperature Range	-55 to +105℃			
Rated Voltage Range	25 & 35V_{dc}			
Capacitance Range	3,000 to 15,000μF			(at 20℃, 120Hz)
Capacitance Tolerance	0 to +30% (A)			(at 20℃, 120Hz)
Leakage Current	I=0.01CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)			(at 20℃ after 2 minutes)
Dissipation Factor (tan δ)	Rated voltage (V_{dc})	25V	35V	
	tan δ (Max.)	0.20	0.16	
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase.			(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V_{dc})	25V	35V	
	Z(-55℃)/Z(+20℃)	3	3	
				(at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105℃.			
	Capacitance change	≦±30% of the initial value		
	D.F. (tan δ)	≦300% of the initial specified value		
	Leakage current	≦The initial specified value		
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.			
	Capacitance change	≦±30% of the initial value		
	D.F. (tan δ)	≦300% of the initial specified value		
	Leakage current	≦The initial specified value		

◆DIMENSIONS [mm]

●Terminal Code : E





Gas escape end seal

φD	16	18
φd	0.8	0.8
F	7.5	7.5
φD'	φD+0.5max.	
L'	L+1.5max.	

◆PART NUMBERING SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
E	L	B	V				E						A				S

- Supplement code
- Size code
- Capacitance tolerance code
- Capacitance code (ex. 5,600μF:562, 12,000μF:123)
- Lead forming·taping code
- Terminal code
- Voltage code (ex. 25V:250, 35V:350)
- Series code
- Category

Please refer to "Product code guide (radial lead type)"

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

LBV Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size ϕD×L (mm)	tan δ	ESR (Ω max./100kHz)		Rated ripple current (mArms/105℃, 100kHz)	Part No.
				20℃	-40℃		
25	4,400	16 × 20	0.26	0.030	0.095	2,000	ELBV250E□□442AL20S
	5,700	18 × 20	0.28	0.028	0.080	2,100	ELBV250E□□572AM20S
	6,200	16 × 25	0.30	0.024	0.073	2,300	ELBV250E□□622AL25S
	8,100	18 × 25	0.34	0.022	0.060	2,400	ELBV250E□□812AM25S
	8,500	16 × 31.5	0.34	0.020	0.065	2,550	ELBV250E□□852ALN3S
	9,900	16 × 35.5	0.36	0.018	0.055	2,700	ELBV250E□□992ALP1S
	11,000	16 × 40	0.40	0.016	0.050	2,900	ELBV250E□□113AL40S
	11,000	18 × 31.5	0.40	0.018	0.045	2,700	ELBV250E□□113AMN3S
	12,000	18 × 35.5	0.42	0.016	0.040	2,900	ELBV250E□□123AMP1S
	15,000	18 × 40	0.48	0.015	0.035	3,100	ELBV250E□□153AM40S
35	3,000	16 × 20	0.20	0.030	0.095	2,000	ELBV350E□□302AL20S
	4,000	18 × 20	0.22	0.028	0.080	2,100	ELBV350E□□402AM20S
	4,300	16 × 25	0.22	0.024	0.073	2,300	ELBV350E□□432AL25S
	5,600	18 × 25	0.24	0.022	0.060	2,400	ELBV350E□□562AM25S
	5,900	16 × 31.5	0.24	0.020	0.065	2,550	ELBV350E□□592ALN3S
	6,900	16 × 35.5	0.26	0.018	0.055	2,700	ELBV350E□□692ALP1S
	7,600	18 × 31.5	0.28	0.018	0.045	2,700	ELBV350E□□762AMN3S
	8,200	16 × 40	0.30	0.016	0.050	2,900	ELBV350E□□822AL40S
	9,000	18 × 35.5	0.32	0.016	0.040	2,900	ELBV350E□□902AMP1S
	10,000	18 × 40	0.34	0.015	0.035	3,100	ELBV350E□□103AM40S

□□ : Enter the appropriate lead forming or taping code.

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Capacitance(μF) \ Frequency(Hz)	120	1k	10k	100k
3,000	0.75	0.90	0.95	1.00
4,000 to 15,000	0.85	0.95	0.98	1.00

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5℃ rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

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Unikeyic Electronics

Global Electronic Components Distributor

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Nippon Chemi-Con:

EKMG101ELL470MJC5S EKMG251ELL101MLN3S EKY-101ETD221MK25S ESMQ401VSN181MP35S HHXC500ARA470MHA0G EKXG351ELL151MMP1S EKZE101ELL101MK16S APXA6R3ARA471MJ80G EKMQ201VSN152MR40S EMVE101ARA470MKE0S EGPA350ELL122ML20S EKMQ401VSN151MQ25S EKYA500ELL222MLP1S EKMG160ELL682MLN3S EKXJ401ELL121MMN3S EKYB250ELL102MJ20S EGPD250ELL302MK25H EKY-250ELL331MJC5S ELXZ630ELL152MM35S EMZA630ARA301MKG5S EGXF630ELL391MK20S EKMS161VSN332MA50S EKXJ401ELL680ML25S EMVY160ARA100MD55G EGXF500ELL751MK25S EKMR401VSN681MR50S EKY-101ELL101MK16S EKY-500ELL471MJ30S EKYA100ELL331MF11D EKZN350ELL471MJ20S