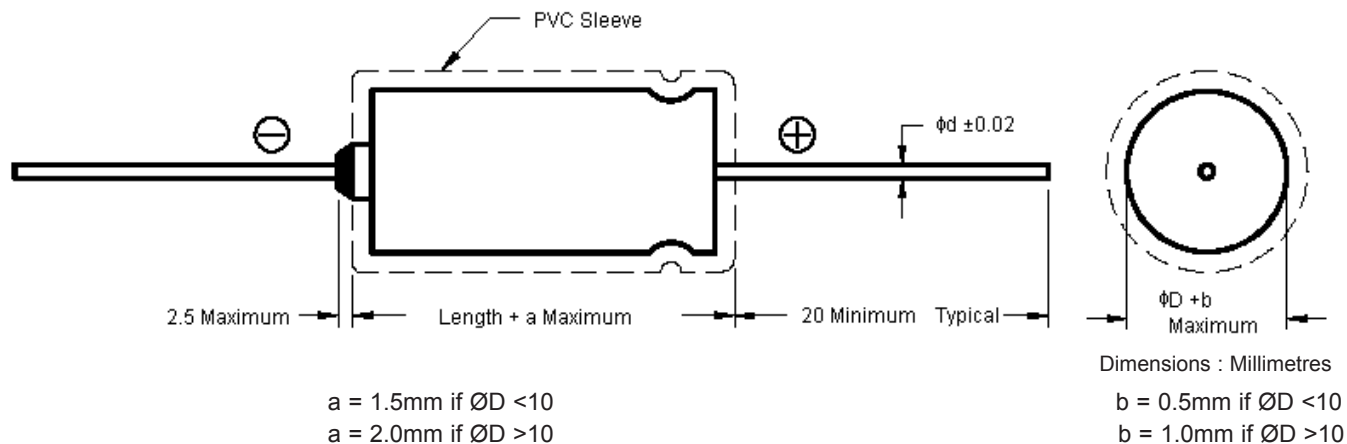




Features:

- Low Impedance characteristics.
- Case sizes are smaller than conventional general-purpose capacitors, with very high performance.
- Can size larger than 8mm diameter has safety vent on rubber bun.
- General purpose 85°C.
- Axial leaded electrolytic.

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:

S. Ram

DATE:

08/05/06

CHECKED BY:

K. Suresh

DATE:

08/05/06

APPROVED BY:

N. Kiwomya

DATE:

22/05/06

DRAWING TITLE:

LV Series - Axial Electrolytic Capacitors

SIZE
A

DWG NO.

M10000226

ELECTRONIC FILE
208517_2_DWG

REV
A

SCALE: NTS

U.O.M.: mm

SHEET: 1 OF 6

	PART NO. LV Series	REVISIONS									
		ECN #	REV	DESCRIPTION		DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	A	RELEASED		S. R	8/5/06	K. S	8/5/06	N. K	22/5/06

Characteristics

Item	Characteristic																		
Operating temperature range	-40°C to +85°C.																		
Capacitance tolerance	±20% (at 20°C, 120Hz).																		
Leakage current	I = 0.02CV or 3µA whichever is greater (after 3 minutes applying the rated DC working voltage at 20°C) where C = rated capacitance in µF, V = rated DC working voltage in V.																		
Dissipation factor (tan δ) (At 20°C, 120Hz)	<table><tr><td>Rated Voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>Tan δ</td><td>0.23</td><td>0.20</td><td>0.17</td><td>0.15</td><td>0.12</td><td>0.10</td><td>0.09</td><td>0.08</td></tr></table>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	Tan δ	0.23	0.20	0.17	0.15	0.12	0.10	0.09	0.08
	Rated Voltage (V)	6.3	10	16	25	35	50	63	100										
	Tan δ	0.23	0.20	0.17	0.15	0.12	0.10	0.09	0.08										
For capacitors whose capacitance exceeds 1000µF, the specification of tan δ is increased by 0.02 for every addition of 1000µF.																			
Surge voltage	<table><tr><td>Rated Voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>Surge Voltage (V)</td><td>7.3</td><td>13</td><td>20</td><td>32</td><td>44</td><td>63</td><td>79</td><td>125</td></tr></table>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	Surge Voltage (V)	7.3	13	20	32	44	63	79	125
	Rated Voltage (V)	6.3	10	16	25	35	50	63	100										
Surge Voltage (V)	7.3	13	20	32	44	63	79	125											
Low temperature characteristics	1. Capacitance at -40°C shall not be less than 80% of the value at 20°C. 2. Impedance ratio at 120Hz.																		
	Rated Voltage (V)		6.3	10	16	25	35	50	63	100									
	Z (-25°C)	(ØD < 16)	6	4	3	3	2	2	2	2									
	Z (+20°C)	(ØD ≥ 16)	8	6	4	4	3	3	3	3									
	Z (-40°C)	(ØD < 16)	10	8	6	6	4	3	3	3									
	Z (20°C)	(ØD ≥ 16)	18	16	12	10	8	8	6	6									
Load life (After 1000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right)	Leakage Current		Initial specified value or less																
	Capacitance Change		within ±20% of initial value																
	Capacitance Factor		200% of less of initial specified value																
Shelf life	After leaving capacitors under no load at 85°C for 1000 hours and applying voltage they meet the specified value for load life characteristics listed above.																		

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	S. Ram		08/05/06		LV Series - Axial Electrolytic Capacitors				
	CHECKED BY:		DATE:						
	K. Suresh		08/05/06		SIZE A	DWG NO. M10000226	ELECTRONIC FILE 208517_2_DWG	REV A	
	APPROVED BY:		DATE:						
N. Kiwomya		22/05/06		SCALE: NTS		U.O.M.: mm		SHEET: 2 OF 6	

	PART NO. LV Series	REVISIONS								
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	A	RELEASED	S. R	8/5/06	K. S	8/5/06	N. K	22/5/06

Specifications

Voltage (V)	Capacitance (µF)	Case Size Length (L) x Diameter (φD)	Allowable Ripple Current (mA)*	Lead Diameter	Part Number
63	220	22 x 13	480	0.6	LV221M1JB-1322(E)
	470	27 x 13	780		LV471M1JB-1327(E)
	1000	33 x 16	1249	0.8	LV102M1JB-1633(E)
	2200	42 x 20	1744		LV222M1JB-2042(E)
	4700	52 x 25	2710		LV472M1JB-2552(E)
100	2.2	13 x 5	28	0.6	LV2R2M2AB-0513(E)
	4.7	13 x 6	40		LV4R7M2AB-0613(E)
	22	16 x 8	120		LV220M2AB-0816(E)
	47	21 x 10	190		LV470M2AB-1021(E)
	100	22 x 13	340		LV101M2AB-1322(E)

*Ripple Current at 85°C, 120Hz. Dimensions : Millimetres

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	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	S. Ram	08/05/06	LV Series - Axial Electrolytic Capacitors					
		CHECKED BY:	DATE:						
		K. Suresh	08/05/06	SIZE A	DWG NO. M10000226	ELECTRONIC FILE 208517_2_DWG		REV A	
		APPROVED BY:	DATE:						
		N. Kiwomya	22/05/06	SCALE: NTS		U.O.M.: mm			SHEET: 5 OF 6

	PART NO. LV Series	REVISIONS								
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	A	RELEASED	S. R	8/5/06	K. S	8/5/06	N. K	22/5/06
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