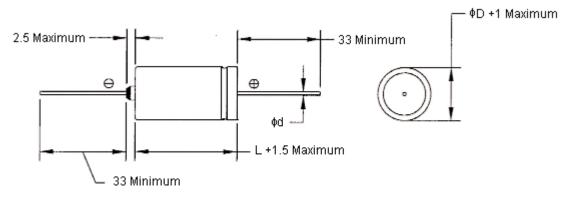


PART NO.

#### **HV Series**

		REVISIONS						
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	S. R	8/5/06	K. S	8/5/06	N. K	22/5/06



Features:

SCALE: NTS

- 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.

## **Lead Wire Dimensions**

фD	5 - 13	16 - 25
φd	0.6	0.8

Dimensions : Millimetres

Dimensions : Millimetres

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CHECKED BY:	DATE:
K. Suresh	08/05/06
APPROVED BY:	DATE:
N. Kiwomya	22/05/06

	DRAV	VING TITLE:			
			HV Series - Axial El	ectrolytic Capacito	rs
	SIZE <b>A</b>	DWG NO.	M10000225	ELECTRONIC FILE 208517_1_DWG	REV A
ı					

SHEET: 1 OF 5

U.O.M.: mm



PART NO.

#### **HV Series**

		REVISIONS						
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-	Α	RELEASED	S. R	8/5/06	K. S	8/5/06	N. K	22/5/06

### **Characteristics**

Item			Charact	eristic				
Operating temperature range	-25°C to +85°C.							
Capacitance tolerance	±20% (at 20°C, 120Hz).							
Leakage current	I = 0.03CV +15μA (CV ≤1000) I = 0.02CV +30μA (C >1000) after 5 minutes applying the rated DC working voltage at 20°C where C = rated capacitance in μF V = rated DC working voltage in V.							
	Rated Voltage (V)	160	200	250	350	400	450	
Dissipation factor (tan $\delta$ ) (At 20°C, 120Hz)	Tan δ	0.15	0.15	0.20	0.20	0.24	0.24	
(ALZO G, 120112)	For capacitors whose capacitance exceeds $1000\mu F$ , the specification of tan $\delta$ is increased by $0.02$ every addition of $1000\mu F$ .							2 for
0	Rated Voltage (V)	160	200	250	350	400	450	
Surge voltage	Surge Voltage (V)	200	250	300	400	450	500	
	1. Impedance ratio at 120Hz.							
Low temperature characteristics	Rated Voltage (V)	160	200	250	350	400	450	
	Z (- 25°C)/Z (20°C)	4	8	8	12	13	16	
Load life	Leakage Current	Initial sp	ecified valu	ie or less				
(After 1000 hours application of rated voltage at 85°C, capacitors meet the characteristics	Capacitance Change	within ±2	0% of initia	al value				
requirements listed at right)	Tan δ 200% or 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.							
Marking	Printed with white colour letter of	n black slee	eve.					

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CHECKED BY:	DATE:
K. Suresh	08/05/06
APPROVED BY:	DATE:
N. Kiwomya	22/05/06

DRAW	ING TITLE:			
		HV Series - Axial Ele	ectrolytic Capacito	rs
SIZE	DWG NO.	<b>N 4 4 4 4 4 4 4 4 4 4</b>	ELECTRONIC FILE	REV

U.O.M.: mm

M10000225

SCALE: NTS

208517\_1\_DWG

SHEET: 2 OF 5

Α



PART NO.

**HV Series** 

		REVISIONS		·				·
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	S. R	8/5/06	K. S	8/5/06	N. K	22/5/06

## **Allowable Ripple Current Vs Ambient Temperature**

Ambient Temperature (°C)	<70°C	+85°C
Coefficient	1.27	1.0

# **Frequency Coefficient of Allowable Ripple Current**

,	WV	Frequency (Hz) Capacitance (µF)	120	300	1K	>10K
160	0 - 450	1 - 220	1	1.25	1.40	1.60

## **Specifications**

Voltage (V)	Capacitance (μF)	Case Size (Diameter (φD) x Length (L))	Allowable Ripple Current (mA)*	Lead Diameter	Part Number
	4.7	10 x 17	43	0.6	HV4R7M2EB-0820(E
250	10 10 x 21 69	69	0.6	HV100M2EB-1021(E	
250	22	13 x 21	117	0.0	HV220M2EB-1326(E
	100	18 x 42	355	0.8	HV101M2EB-1640(E
	1	8 x 16	19		HV010M2WB-0816(
	2.2	10 x 17	29	0.0	HV2R2M2WB-1021
450	4.7	10 x 26	49	0.6	HV4R7M2WB-1026
450	10	13 x 25	81		HV100M2WB-1326(
	22	16 x 33	130	0.0	HV220M2WB-1632(
	100	25 x 45	346	0.8	HV101M2WB-2550(

<sup>\*</sup> Ripple Current at 85°C, 120Hz.

Dimensions : Millimetres

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	CHECKED BY:	DATE:
	K. Suresh	08/05/06
	APPROVED BY:	DATE:
	N. Kiwomya	22/05/06

DRAWING TITLE:

HV Series - Axial Electrolytic Capacitors

 SIZE A
 DWG NO.
 M10000225
 ELECTRONIC FILE 208517\_1\_DWG
 REV A

 SCALE: NTS
 U.O.M.: mm
 SHEET: 3 OF 5



Notes:

PART NO.

**HV Series** 

REVISIONS								
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	S. R	8/5/06	K. S	8/5/06	N. K	22/5/06

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	K. Suresh	08/05/06
	APPROVED BY:	DATE:
	N. Kiwomya	22/05/06

**DRAWING TITLE:** 

**HV Series - Axial Electrolytic Capacitors** 

SIZE DWG NO.

M10000225

**ELECTRONIC FILE** 208517 1 DWG

SHEET: 4 OF 4

SCALE: NTS U.O.M.: mm

REV

Α