



PART NO.

HV Series

REVISIONS

ECN #

REV

DESCRIPTION

DRAWN

DATE

CHECKD

DATE

APPRVD

DATE

-

A

RELEASED

S. R

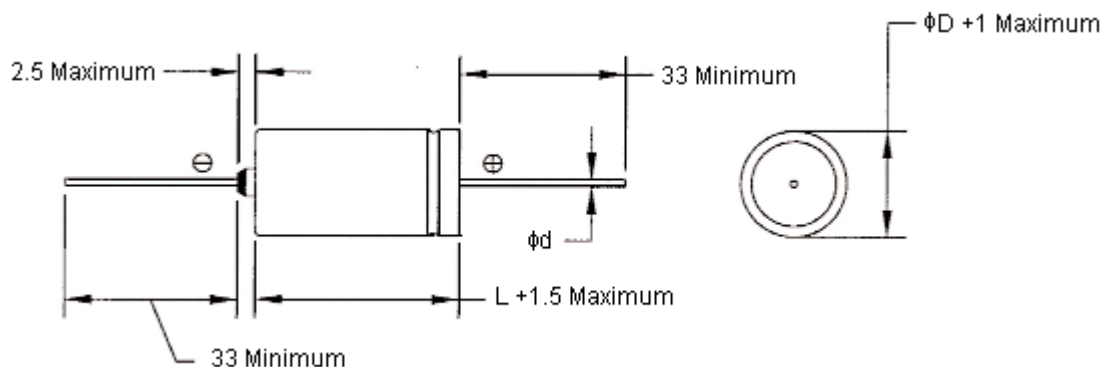
8/5/06

K. S

8/5/06

N. K

22/5/06



Lead Wire Dimensions

ϕD	5 - 13	16 - 25
ϕd	0.6	0.8

Dimensions : Millimetres

Dimensions : Millimetres

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.

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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:

HV Series - Axial Electrolytic Capacitors

SIZE
A

DWG NO.

M10000225

ELECTRONIC FILE
208517_1_DWGREV
A

SCALE: NTS

U.O.M.: mm

SHEET: 1 OF 5

	PART NO. HV 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	-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.																											
Dissipation factor (tan δ) (At 20°C, 120Hz)	<table><tr><td>Rated Voltage (V)</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>Tan δ</td><td>0.15</td><td>0.15</td><td>0.20</td><td>0.20</td><td>0.24</td><td>0.24</td></tr></table>							Rated Voltage (V)	160	200	250	350	400	450	Tan δ	0.15	0.15	0.20	0.20	0.24	0.24	For capacitors whose capacitance exceeds 1000µF, the specification of tan δ is increased by 0.02 for every addition of 1000µF.						
	Rated Voltage (V)	160	200	250	350	400	450																					
Tan δ	0.15	0.15	0.20	0.20	0.24	0.24																						
Surge voltage	<table><tr><td>Rated Voltage (V)</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>Surge Voltage (V)</td><td>200</td><td>250</td><td>300</td><td>400</td><td>450</td><td>500</td></tr></table>							Rated Voltage (V)	160	200	250	350	400	450	Surge Voltage (V)	200	250	300	400	450	500							
Rated Voltage (V)	160	200	250	350	400	450																						
Surge Voltage (V)	200	250	300	400	450	500																						
Low temperature characteristics	1. Impedance ratio at 120Hz.																											
	<table><tr><td>Rated Voltage (V)</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>Z (- 25°C)/Z (20°C)</td><td>4</td><td>8</td><td>8</td><td>12</td><td>13</td><td>16</td></tr></table>							Rated Voltage (V)	160	200	250	350	400	450	Z (- 25°C)/Z (20°C)	4	8	8	12	13	16							
Rated Voltage (V)	160	200	250	350	400	450																						
Z (- 25°C)/Z (20°C)	4	8	8	12	13	16																						
Load life (After 1000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right)	<table><tr><td>Leakage Current</td><td colspan="5">Initial specified value or less</td></tr><tr><td>Capacitance Change</td><td colspan="5">within ±20% of initial value</td></tr><tr><td>Tan δ</td><td colspan="5">200% or less of initial specified value</td></tr></table>										Leakage Current	Initial specified value or less					Capacitance Change	within ±20% of initial value					Tan δ	200% or less of initial specified value				
Leakage Current	Initial specified value or less																											
Capacitance Change	within ±20% of initial value																											
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 on black sleeve.																											
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	APPROVED BY:		DATE:		SCALE: NTS		U.O.M.: mm		SHEET: 2 OF 5																			
	N. Kiwomya		22/05/06																									

