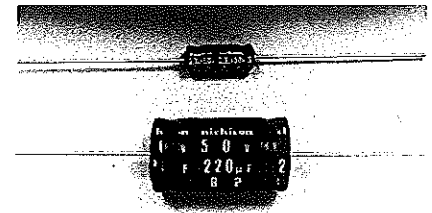


# ALUMINUM ELECTROLYTIC CAPACITORS



Non-polarized Series Electrolytic Capacitor for General Purpose  
series Axial Lead Type T  
Anti-Solvent Feature



- These are non-polar capacitors designed for circuits with reverse polarity.
- The standard capacitance tolerance is  $\pm 20\%$ (M).
- The Nichicon Safety Vent is standard on capacitors with diameters  $\geq 10$ mm.

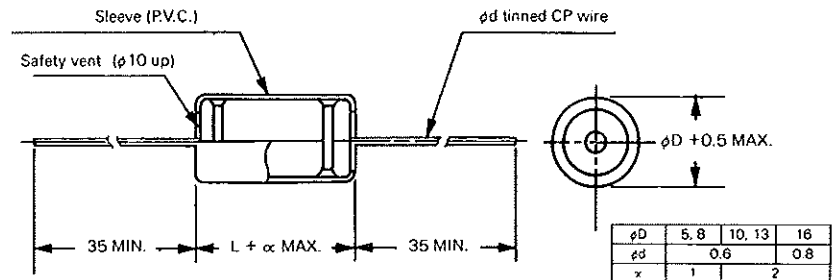
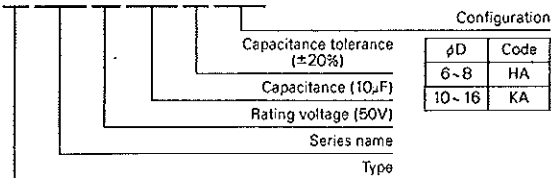
## Specifications

Item	Performance Characteristics																				
Operating Temperature Range	-40 ~ +85°C																				
Voltage Range	6.3 ~ 100V																				
Capacitance Range	0.47 ~ 3300 $\mu$ F																				
Capacitance Tolerance	$\pm 20\%$ (M) at 120 Hz, 20°C																				
Leakage Current	After 5 minutes of application at rated voltage, leakage current will be no more than 0.03CV or 3 $\mu$ A, whichever is greater.																				
Dissipation Factor (tan $\delta$ )	Measurement frequency: 120 Hz, Temperature: 20°C																				
	<table border="1"> <thead> <tr> <th>Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50~100</th> </tr> </thead> <tbody> <tr> <td>tan <math>\delta</math>(MAX.)</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.17</td> <td>0.15</td> </tr> </tbody> </table>	Rated voltage (V)	6.3	10	16	25	35	50~100	tan $\delta$ (MAX.)	0.30	0.25	0.20	0.17	0.17	0.15						
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Stability at Low Temperature	Measurement frequency: 120 Hz																				
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Load Life	After the rated voltage has been applied for 1000 hours at a temperature of 85°C, with the polarity reversed every 250 hours, the capacitors will meet the characteristic requirements listed.																				
	Leakage current	Initial specified value or less																			
	Capacitance change	Within $\pm 20\%$ of initial value																			
	tan $\delta$	150% or less of initial specified value																			
Shelf Life	After capacitors have been stored without load at 85°C for 1000 hours and applying voltage according to JIS C-5102 4-3, capacitors will meet the specified value for load life characteristics listed above.																				
	Appearance	No excessive leak of electrolyte or abnormal deformity																			
Marking	Printed with white letters on dark blue sleeve according to JIS C-5141.																				
Applicable Standards	Characteristics W of JIS C-5141 and JIS C-5102.																				

## Axial Lead Type

### Part Numbering System

T E B 1H 100 M A A



## Nominal Dimensions

Cap. ( $\mu$ F)	W.V. Code	D X L (mm)									
		6.3 O J	10 1 A	16 1 C	25 1 E	35 1 V	50 1 H	63 1 J	80 1 K	100 2 A	
0.47	R47						6x15				6x15
1.0	O10						6x15				6x15
2.2	2R2						6x15	6x15	6x15	6x15	6x15
3.3	3R3						6x15	6x15	6x15	6x15	6x19
4.7	4R7						6x15	6x15	6x15	6x19	8x19
10	100				6x15	6x15	6x15	6x15	6x19	8x19	10x21
22	220		6x15	6x15	6x19	8x19	8x19	8x19	10x21	10x25	10x25
33	330	6x15	6x15	6x19	8x19	8x19	8x19	8x19	10x25	10x25	13x30
47	470	6x15	6x15	8x19	8x19	10x21	10x25	10x25	10x30	10x30	13x30
100	101	8x19	8x19	10x21	10x25	10x30	13x30	13x30	13x30	13x30	16x30
220	221	10x21	8x19	10x25	13x30	13x30	16x30	16x30	16x41	16x41	
330	331	10x21	10x25	10x30	13x30	16x30	16x41	16x41			
470	471	10x25	10x30	13x30	16x30	16x41					
1,000	102	13x30	13x30	16x30							
2,200	222	16x30	16x41								
3,300	332	16x41									

For mm to inch conversions, refer to Inside Back Cover or multiply by .03937.