

Fixed Component Capacitors

**Aluminum Electrolytic Capacitor
Type ENA - Axial Non-Polar 85°C Series**

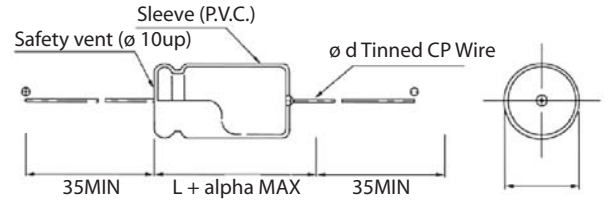
△ Features

- Exhibits reliable performance
- Guaranteed long life (2,000 hours at 85° C)

△ Applications

- In circuits where the polarity is reversed or not constant

△ Specifications



	ø D ≤ 18		ø D >= 22			
	ø D + 0.5 MAX		ø D + 1.0 MAX			
ø D	6	8	10	13	16	18
ø d	0.6		0.6		0.8	
α	1.0		1.5		2	

Item	Performance Characteristics								
Operating Temperature Range	-40 + 85°C								
Rated Voltage	6.3V ~ 100V								
Capacitance Range	0.1 ~ 2,200 μF								
Capacitance Tolerance	±20% (120Hz, 20°C)								
Leakage Current	0.03CV or 3 μA, whichever is greater after 5 minutes application of rated voltage.								
Dissipation Factor (120Hz, 20°C)	Rated voltage (V)	6.3	10	16	25	35	50	63	100
	Tan δ (max.)	0.26	0.24	0.22	0.20	0.16	0.14	0.12	0.10
Temperature Characteristics (120Hz)	For capacitance of more than 1,000 μF, add 0.02 for every increase of 1,000 μF.								
	Impedance / Stability at Low Temperature								
	Rated voltage (V)	6.3	10	16	25	35	50	63	100
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2	2	2
Load Life	Z (-40°C) / Z (20°C)	10	8	6	5	4	4	3	3
	After 2,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements mentioned below.								
	Capacitance change	Within ±20% of initial value							
	Tan δ	200% or less of initial specified value							
Shelf Life	Leakage current	Initial specified value or less							
	After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 and C5141, they meet the specified value for load life characteristics listed above.								

△ Dimensions

		Dp x L (mm)																		
WV(SV)	Cap (μF)	6.3 (10)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (75)	100 (125)											
0.1-0.47										6.3 x 13	15	6.3 x 16	15	6.3 x 16	18					
1										6.3 x 13	22	6.3 x 16	22	6.3 x 16	26					
2.2										6.3 x 13	32	6.3 x 16	32	6.3 x 16	38					
3.3										6.3 x 13	38	6.3 x 16	38	6.3 x 16	46					
4.7										6.3 x 13	45	6.3 x 16	40	6.3 x 16	55					
10							6.3 x 13	55	8 x 16	75	8 x 16	50	10 x 21	100						
22				6.3 x 13	75	8 x 16	90	8 x 16	100	10 x 21	130	10 x 21	85	10 x 26	180					
33			6.3 x 13	83	8 x 16	100	8 x 16	115	8 x 16	125	10 x 21	140	10 x 21	120	13 x 26	230				
47	6.3 x 13	90	6.3 x 13	110	8 x 16	120	8 x 16	140	8 x 20	160	10 x 21	180	10 x 26	150	13 x 26	290				
100	8 x 16	140	8 x 20	175	8 x 20	200	10 x 21	230	10 x 26	280	13 x 26	360	13 x 26	210	16 x 38	520				
220	8 x 20	200	10 x 21	290	10 x 26	360	13 x 26	430	13 x 26	510	13 x 31	590	16 x 38	410						
330	10 x 21	320	10 x 26	405	13 x 26	480	13 x 26	520	13 x 31	600	16 x 31	720								
470	10 x 26	385	13 x 26	510	13 x 26	540	13 x 31	660	16 x 31	770										
1000	13 x 26	690	13 x 31	760	16 x 31	980														
2200	16 x 31	1240	16 x 38	1400															Case Size	Ripple

Ripple current (mA) at 85°C 120Hz

NOTE:

Part Numbering System	1	Series
(1) (2) (3) (4)	2	Capacitance
ENA 106 M 1H	3	Tolerance
	4	Working Voltage