

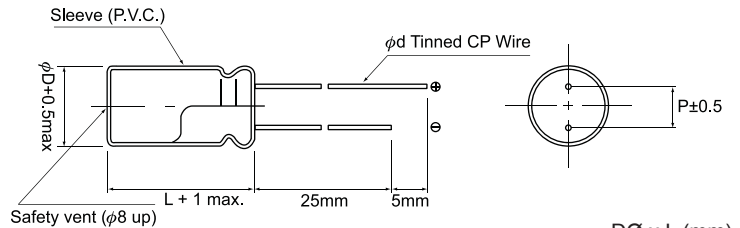
Aluminum Electrolytic Capacitor
Type ENR - Radial Non Polar 85°C Series

△ Features

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

△ Applications

- In circuits where the polarity is reversed or not constant



	DØ x L (mm)							
DØ	5	6.3	8	10	13	16	18	
P	2	2.5	3.5	5	5	7.5	7.5	
ød	0.5		0.6			0.8		
α	1				1.5			

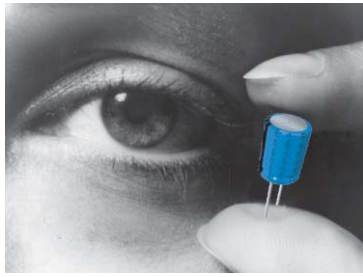
△ Specifications

Item	Performance Characteristics									
Operating Temperature Range	-40 + 85°C									
Rated Voltage	6.3V ~ 100V									
Capacitance Range	0.1 ~ 4,700 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	
For capacitance of more than 1,000µF, add 0.02 for every increase of 1,000µF.										
Temperature Characteristics (120Hz)	Impedance Ratio / 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	
	Z (-40°C) / Z (20°C)	10	8	6	5	4	4	3	3	
Load Life	After 2,000 hours application of WV at 85°C with the polarity inverted every 250 hours, capacitor shall meet the characteristics requirements mentioned below.									
	Capacitance change	Within ±20% of initial value								
	Tan δ	200% or less of initial specified value								
	Leakage current	Initial specified value or less								
Shelf Life	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.									

NOTE: Part Numbering System

(1) (2) (3) (4)
ENR 106 M 1H

- 1 Series
- 2 Capacitance
- 3 Tolerance
- 4 Working Voltage



Fixed Component Capacitors

Δ Dimensions

Dφ 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												5 x 11	11			5 x 11	14
0.47												5 x 11	17			5 x 11	21
1												5 x 11	25			6.3 x 11	34
2.2												5 x 11	27	5 x 11	28	6.3 x 11	39
3.3												5 x 11	34	6.3 x 11	34	6.3 x 11	47
4.7									5 x 11	34	5 x 11	34	6.3 x 11	34	6.3 x 11	47	
10					5 x 11	42	5 x 11	42	5 x 11	43	6.3 x 11	52	6.3 x 11	57	8 x 11	71	
22			5 x 11	57	5 x 11	57	6.3 x 11	65	6.3 x 11	73	8 x 11	89	8 x 11	95	10 x 16	135	
33	5 x 11	64	5 x 11	64	5 x 11	70	6.3 x 11	80	8 x 11	100	8 x 11	105	10 x 12	135	13 x 20	220	
47	5 x 11	76	5 x 11	76	6.3 x 11	95	6.3 x 11	95	8 x 11	120	10 x 12	150	10 x 16	180	13 x 20	240	
100	6.3 x 11	125	6.3 x 11	125	8 x 11	160	8 x 11	160	10 x 16	230	10 x 20	265	13 x 20	320	16 x 25	425	
220	8 x 11	215	8 x 11	215	10 x 12	275	10 x 16	305	13 x 20	410	13 x 25	480	16 x 25	575	18 x 36	720	
330	8 x 11	265	10 x 16	345	10 x 16	375	13 x 20	450	13 x 20	505	16 x 25	650	16 x 32	655			
470	10 x 12	370	10 x 16	410	10 x 20	485	13 x 20	540	13 x 25	655	16 x 32	835	18 x 36	965			
1000	10 x 20	650	13 x 20	720	13 x 25	855	16 x 25	950	16 x 32	1140							
2200	13 x 25	1160	16 x 25	1280	16 x 32	1510	18 x 36	1620									
3300	16 x 25	1570	16 x 32	1690	18 x 36	1980											
4700	16 x 32	2020	18 x 36	2160													
																Case Size	Ripple

Ripple current (mA) at 85°C 120Hz