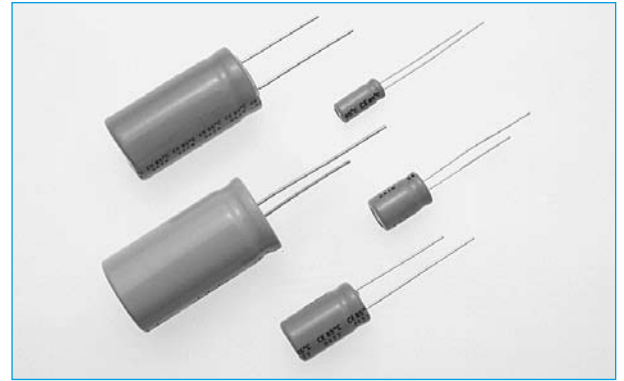


## CAPACITORS

## ALUMINIUM ELECTROLYTIC NON - POLAR RADIAL CEBNP

SECTION 1

- Miniature case sizes
- 2000 hour long-life grade
- The CEBNP is a non-polar radial electrolytic capacitor featuring much reduced case sizes.
- The long-life grade offers high reliability for all applications requiring a premium device.
- The product is fully branded for definite identification as a bi-polar product.



## SPECIFICATION

Item	Performance Characteristics							
Operating Temperature Range	-40 to +105°C							
Rated Working Voltage Range	6.3 to 100V DC							
Nominal Capacitance Range	0.47 to 1000µF							
Capacitance Tolerance	± 20% (120Hz, +20°C)							
Leakage Current	I ≤ 0.03CV or 3 [µA] After 2 minutes application of rated working voltage at +20°C							
tan δ (120Hz, +20°C)	Working Voltage [V]	6.3	10	16	25	35	50	
	tan δ max.	0.25	0.25	0.20	0.15	0.15	0.13	
	Working Voltage [V]	63	100					
	tan δ max.	0.10	0.12					
Characteristics at Low Temp.	Impedance ratio max. : at 120Hz							
	Working Voltage [V]	6.3	10	16	25	35	50	63
	-25°C/+20°C	4	3	2	2	2	2	2
	-40°C/+20°C	8	6	4	4	3	3	3
	Working Voltage [V]	100						
	-25°C/+20°C	2						
	-40°C/+20°C	3						
High Temperature Loading	Test conditions Duration 2000 hours Ambient temperature +105°C Applied voltage: Rated DC working voltage to each polarity for 1000 hours Post test requirements at +20°C Leakage current ≤ initial specified value Capacitance change ≤ ± 20% of initial measured value tan δ ≤ 150% of initial specified value							
Shelf Life	Test conditions Duration 500 hours Ambient temperature +105°C Applied voltage (None) Post test requirements at +20°C. Same limits for high temperature loading.							
Washability	5 mins in Freon TE, Arklone AM or equivalents							

## ORDERING INFORMATION

<b>CEBNP</b>	<b>100</b>	<b>16</b>	<b>TA</b>
Range	Capacitance µF	Voltage V	Options: TA = Tape/ Ammo-box Blank = Loose

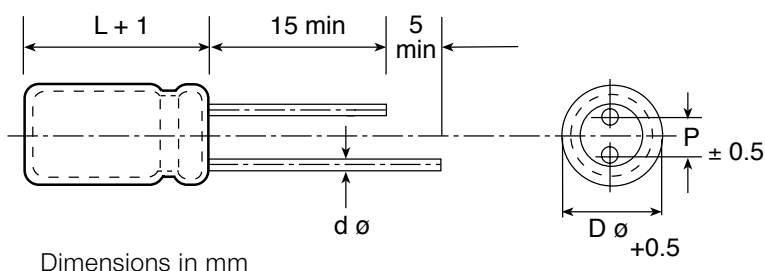
### RANGE & CASE SIZE

V μF	6.3 øxl/mm	10 øxl/mm	16 øxl/mm	25 øxl/mm	35 øxl/mm	50 øxl/mm	63 øxl/mm	80 øxl/mm	100 øxl/mm
0.1-0.47					→	5x11	5x11	5x11	5x11
0.1					→	5x11	5x11	5x11	5x11
0.22					→	5x11	5x11	5x11	6x11
0.33					→	5x11	6x11	6x11	8x12
0.47				→	5x11	5x11	6x11	8x12	8x12
10	→	→	5x11	5x11	5x11	6x11	8x12	8x14	8x14
22	→	5x11	5x11	6x12	6x12	8x14	10x16	10x16	13x21
33	5x11	5x11	6x12	8x12	8x14	10x16	10x20	13x21	13x21
47	6x11	6x11	6x12	8x14	10x16	10x20	13x21	13x21	13x25
100	8x12	8x12	10x16	10x20	13x21	13x21	16x26	16x26	16x26
220	8x14	10x16	10x20	13x21	13x25	16x26	16x32		
330	10x16	10x20	13x21	16x26	16x26	16x36			
470	10x20	13x21	13x25	16x26	16x32				
1000	13x25	16x26	16x32						
2200	16x32	16x36							

### MAXIMUM RIPPLE CURRENT

V μF	6.3	10	16	25	35	50	63	80	100
0.1-0.47					→	11	11	11	14
0.1					→	17	17	17	21
0.22					→	25	25	29	34
0.33					→	31	37	39	49
0.47				→	34	41	44	47	58
10	→	→	42	50	54	70	74	88	100
22	→	57	69	86	94	115	130	150	180
33	63	77	98	105	125	150	175	205	220
47	84	93	115	140	165	190	230	245	285
100	140	193	205	240	285	310	410	435	310
220	235	255	330	390	520	570	660		
330	310	380	445	580	630	790			
470	400	470	570	690	820				
1000	690	885	1020						
2200	1250	1450							

### OUTLINE DRAWING



Dø	5	6.3	8	10	13	16
P	2.0	2.5	3.5	5.0	5.0	7.5
dø	0.5		0.6			0.8