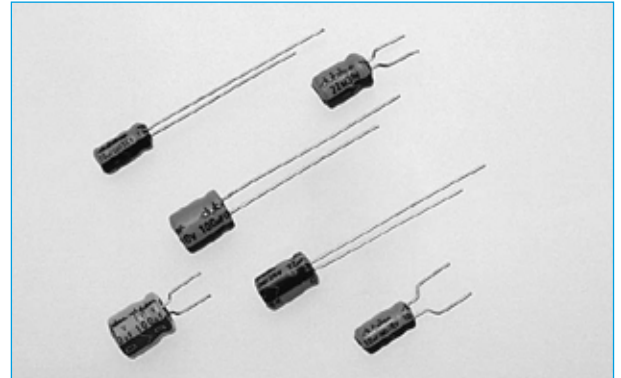


**CAPACITORS**

**ELECTROLYTIC MINIATURE - 105 ° C CEKJ**

SECTION 1

- 7mm high case sizes
- The CEK is a high-quality radial electrolytic capacitor featuring the industry-standard 'K' case size.
- Applications include automotive, telecommunications, radio and other designs requiring low profile cases.
- 5mm pitch and SL (straight lead) available.
- The usages are as CEK but 105 °C.



**SPECIFICATION**

Item	Specification								
Cap. Tolerance (120Hz 20°C)	± 20% (M)								
Rated Working Voltage	4 ~ 63VV								
Operating Temp. Range	-40 ~ +105 °C								
Surge Voltage (V) (20°C)	WW	6.3	10	16	25	35	50	63	
	SV	8	13	20	32	44	63	79	
Leakage Current (µA) (20°C)	I ≤ 0.01CV or 3µA Whichever is greater after rated voltage applied for 3 min. I: Leakage Current (µA) C: Capacitance (µF) V: Voltage (V)								
	WW	6.3	10	16	25	35	50	63	
Dissipation Factor (%) (120Hz 20°C)	DF	24	20	16	14	12	10	8	
	Impedance ratio at 120Hz								
Low Temp. Characteristics	Comparison Z\WW	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	4	4	4	
Load Life	Capacitance Change ≤ ± 20% of Initial Value Dissipation Factor ≤ 200% of Initial Specified Value Leakage Current ≤ Initial Specified Value after 1000 hours application of W.V. at 105 °C								

**ORDERING INFORMATION**

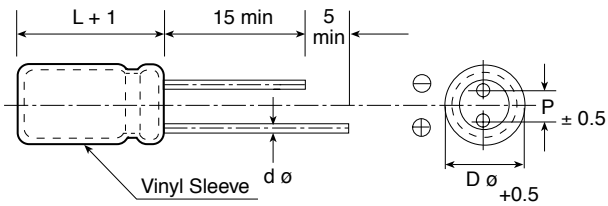
<b>CEKJ</b>	<b>10</b>	<b>16</b>	<b>TA</b>
Range	Capacitance µF	Voltage V	Options: TA = Tape/Ammo-box SL = Straight Lead

TA = 5mm, e.g. TA 2mm = 2mm pitch.  
Note: Always add SL if you require straight lead pitch e.g. CEKJ10 16 SL as the standard CEKJ10 16 is 5mm pitch.

**RANGE & CASE SIZE (mm)  $\phi D \times L$**

$\mu F / WV$	6.3	10	16	25	35	50
0.1						→ 4x7
0.22						→ 4x7
0.33						→ 4x7
0.47						→ 4x7
1						→ 4x7
2.2						→ 4x7
3.3						→ 4x7
4.7				→	4x7	5x7
10	→	→	4x7	4x7	5x7	6.3x7
22	→	4x7	5x7	5x7	6.3x7	
33	4x7	4x7	5x7	5x7	6.3x7	
47	4x7	4x7	5x7	6.3x7		
100	5x7	6.3x7	6.3x7			
220	6.3x7	6.3x7				

**OUTLINE DRAWING**



$\phi D$	4	5	6.3
P	1.5	2.0	2.5
$\phi d$	0.45	0.45	0.45
a	1.0	1.0	1.0
b	0.5	0.5	0.5

**MAXIMUM RIPPLE CURRENT (mA) 120Hz/105 ° C**

$\mu F / WV$	6.3	10	16	25	35	50
0.1						→ 1.0
0.22						→ 2.3
0.33						→ 3.5
0.47						→ 5.0
1						→ 10
2.2						→ 19
3.3						→ 24
4.7				→	24	29
10	→	→	29	31	36	44
22	→	32	44	48	58	
33	38	45	52	56	65	
47	40	47	55	62		
100	60	78	87			
220	110	120				