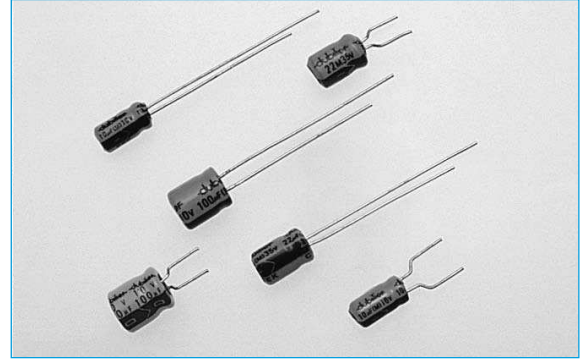


CAPACITORS

ALUMINIUM ELECTROLYTIC MINIATURE RADIAL CEK

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) widely stocked.



SPECIFICATION

Item	Performance Characteristics							
Operating Temperature Range	-40 to +85°C							
Rated Working Voltage Range	4 to 50V DC							
Nominal Capacitance Range	0.1 to 470µF							
Capacitance Tolerance	± 20% (120Hz, +20°C)							
Leakage Current	I - 0.01CV or 3[µA] whichever is greater measured after 2 minutes application of rated working voltage at +20°C.							
tan δ (120Hz, +20°C)	Working Voltage [V]	4	6.3	10	16	25	35	50
	tanδ max.	0.35	0.24	0.20	0.16	0.14	0.12	0.10
Characteristics at Low Temp.	Impedance ratio max. at 120Hz							
	Working Voltage [V]	4	6.3	10	16	25	35	50
	-25°C/±20°C	6	4	3	2	2	2	2
	-40°C/+20°C	12	8	6	4	4	3	3
High Temperature Loading	Test conditions							
	Duration	1000 hours						
	Ambient temperature	+85°C						
	Applied voltage	Rated DC working voltage						
	Post test requirements at +20°C							
	Leakage current	≤ Initial specified value						
Capacitance change	≤ ± 20% of initial measured value							
tan δ	≤ 200% of initial specified value							
Shelf Life	Test conditions							
	Duration	500 hours	Post test requirements at +20°C.					
	Ambient temperature	+85°C	Same limits for temperature loading.					
	Applied voltage	(None)						

ORDERING INFORMATION

CEK	10	16	TA
Range	Capacitance µF	Voltage V	Options: TA = Tape/Ammo-box SL = Straight Lead Blank = 5mm Pitch

TA = 5mm, e.g. TA 2mm = 2mm pitch.
 Note: Always add SL if you require straight lead pitch e.g. CEK 10 16 SL as the standard CEK 10 16 is 5mm pitch.

RANGE & CASE SIZE

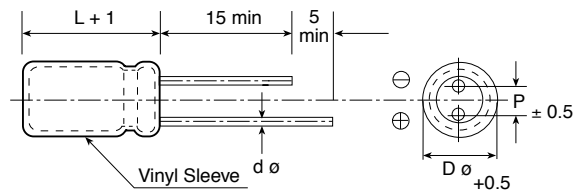
V	6.3	10	16	25	35	50	63
μF	øxL/mm	øxL/mm	øxL/mm	øxL/mm	øxL/mm	øxL/mm	øxL/mm
0.1					→	4x7	4x7
0.22					→	4x7	4x7
0.33					→	4x7	4x7
0.47					→	4x7	4x7
1.0					→	4x7	4x7
2.2					→	4x7	4x7
3.3					→	4x7	4x7
4.7			→	4x7	4x7	4x7	5x7
10			→	4x7	4x7	5x7	
22	4x7	4x7	4x7	5x7	5x7		
33	4x7	4x7	4x7	5x7			
47	4x7	4x7	5x7	6x7			
100	5x7	5x7	6x7				
220	6x7	6x7	8x9				
330	6.3x7	8x7					
470	8x7						

PERMISSIBLE RIPPLE CURRENT

STANDARD PRODUCTS

V	6.3	10	16	25	35	50	63
μF							
0.1					→	1	1
0.22					→	2	2
0.33					→	3	4
0.47					→	5	6
1.0					→	10	13
2.2					→	19	21
3.3					→	24	26
4.7			→	24	24	29	33
10			→	29	36	44	
22	34	38	44	51	57		
33	42	47	57	63			
47	50	59	68	75			
100	77	80	90				
220	80	90	100				

OUTLINE DRAWING



Dimensions in mm

Dø	4	5	6.3	8
P	1.5	2.0	2.5	3.5
dø	0.45		0.5	

Availability is in both 5mm Cropped and Formed and SL Straight Lead Natural Pitch.