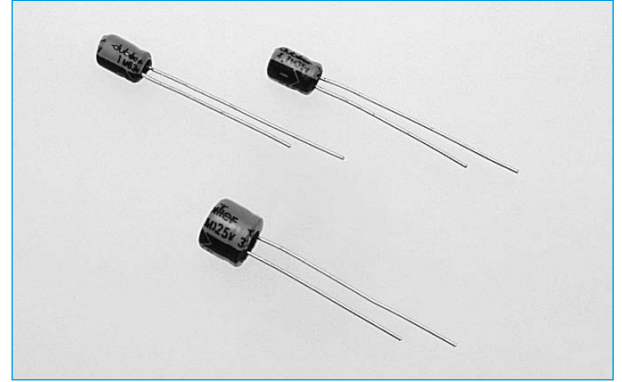


CAPACITORS

ALUMINIUM ELECTROLYTIC SUPER MINIATURE CEKR

SECTION 1

- As low as 4mm Dia - 5mm high
- Designed for space-saving and high density insertion
- Low price compared to tantalum capacitors
- Application: VTR, camera, car audio, mini-audio sets, OA related equipment automotive, telecommunications, radio and other industrial and commercial applications
- The CEKR is a high-quality radial electrolytic capacitor featuring the industry standard "K" case size.



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 220µF							
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 +20 °C.							
tan δ (120Hz, +20 °C)	Working voltage [V]	4	6.3	10	16	25	35	50
	tan δ 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	7	4	3	2	2	2	2
	40 °C/+20 °C	15	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 (4V: ≤ ± 30%)						
tan δ	200% of initial specified value							
Shelf Life	Test conditions							
	Duration	500 hours						
	Ambient temperature	+85 °C						
	Applied voltage	(None)						
	Post test requirements at +20 °C							
	Same limits for high temperature loading							

ORDERING INFORMATION

CEKR	10	16	TA
Range	µf value	Voltage	Options
			SL = Straight lead pitch
			TA = 5mm pitch Tape/Ammo
			Blank = 5mm pitch

Please note this product cannot currently be taped on 1mm or 1.5mm pitch

RANGE & CASE SIZE

V	6.3	10	16	25	35	50
μF	$\phi \times l / \text{mm}$	$\phi \times l / \text{mm}$	$\phi \times l / \text{mm}$	$\phi \times l / \text{mm}$	$\phi \times l / \text{mm}$	$\phi \times l / \text{mm}$
0.1					→	4x5
0.22					→	4x5
0.33					→	4x5
0.47					→	4x5
1.0					→	4x5
2.2					→	4x5
3.3					→	4x5
4.7			→	4x5	4x5	5x5
10		→	4x5	5x5	5x5	6.3x5
22	4x5	5x5	5x5	6.3x5	6.3x5	
33	5x5	5x5	6.3x5	6.3x5		
47	5x5	6.3x5	6.3x5			
100	6.3x5					
220	6.3x5					

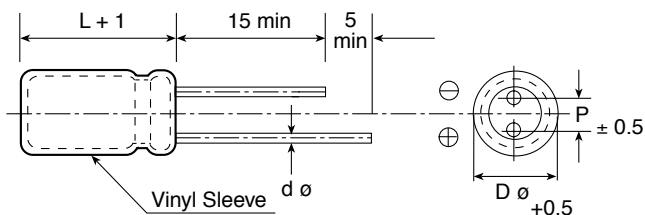
Additional case sizes may be available, please contact the Dubilier Sales Office.

PERMISSIBLE RIPPLE CURRENT

STANDARD PRODUCTS

V	6.3	10	16	25	35	50
μF						
0.1					→	1
0.22					→	2
0.33					→	2.8
0.47					→	4
1.0					→	8.4
2.2					→	13
3.3					→	17
4.7			→	16	18	20
10		→	23	27	29	33
22	28	33	37	42	46	
33	37	41	49	52		
47	45	52	58			
100	70					

OUTLINE DRAWING



Dimensions in mm

Dϕ	4	5	6.3
P	1.5 ± 0.5	2.0 ± 0.5	2.5 ± 0.5
dϕ	0.45		