

K50-29

ALUMINUM ELECTROLYTIC CAPACITOR

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OZH0.464.156 TU

Polar fixed capacitors in non-isolated case are available in all-climate and temperate/cold climate version.

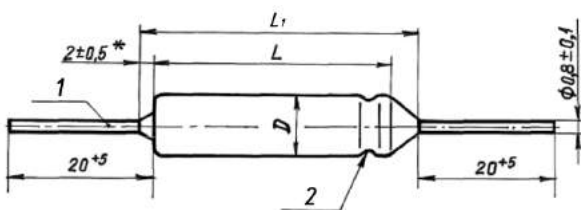


MAIN PARAMETERS

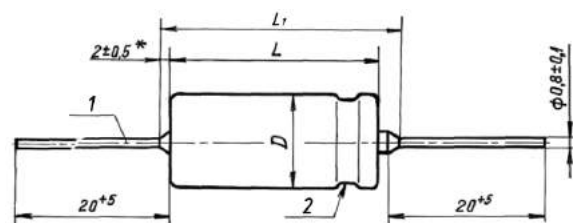
Name	Value
Rated voltage, V	6.3...450
Rated capacitance, μF	1...4 700
Capacitance tolerance (25°C, 50 Hz), %	+50...-20
Maximum operating temperature Tenv, °C	+85
Minimal operating temperature Tenv, °C	-60

GENERAL VIEW DRAWING

Version 1



Version 2



Second diametrical swage is allowable

- 1 – Negative terminal
- 2 – Diametrical swage

CAPACITOR ELECTRIC PARAMETERS

U_R, V	$C_R, \mu F$	$D \times H, mm$	$tg \delta, \% \text{ max}$	$Z, Ohm, \text{ max}$
6.3	47	6x17	20	3
6.3	100	6x22	20	1.7
6.3	220	6x27	20	0.8
6.3	470	8.5x27	20	0.3
6.3	1 000	8.5x37	20	0.3
6.3	2 200	12x42	20	0.15
6.3	4 700	17x38	20	0.1
16	22	6x17	20	2.5
16	47	6x22	20	2
16	100	6x27	20	1
16	220	8.5x27	20	0.4
16	470	8.5x37	20	0.3
16	1 000	12x42	20	0.25
16	2 200	17x38	20	0.1
25	10	6x17	20	4
25	22	6x22	20	1.5
25	47	6x27	20	1
25	100	8.5x22	20	0.5
25	220	8.5x32	20	0.3
25	470	12x37	20	0.25
25	1 000	17x33	20	0.25
25	2 200	17x48	20	0.1
63	4.7	6x17	20	3.5
63	10	6x22	20	3
63	22	6x27	20	1.2
63	47	8.5x22	20	0.6
63	100	8.5x32	20	0.4
63	220	12x32	20	0.25
63	470	17x38	20	0.25
63	1 000	17x53	20	0.2
100	2.2	6x17	15	13
100	4.7	6x22	15	8
100	10	6x27	15	5

U_R, V	$C_R, \mu F$	$D \times H, mm$	$tg \delta, \% max$	Z, Ohm, max
100	22	8.5x27	15	3
100	47	8.5x37	15	1.5
100	100	12x37	15	0.7
160	1	6x17	10	55
160	2.2	6x22	10	25
160	4.7	8.5x22	10	12.5
160	10	8.5x27	10	7
160	22	12x27	10	4
160	47	12x42	10	2
300	4.7	12x22	10	15
300	10	12x27	10	7
300	22	12x42	10	4
300	47	17x48	10	2
350	2.2	12x22	10	30
350	4.7	12x27	10	20
350	10	12x42	10	7
350	22	17x38	10	5
450	2.2	12x22	10	35
450	4.7	12x32	10	20
450	10	17x28	10	15
450	22	17x48	10	6

CAPACITORS RELIABILITY

Operating modes and conditions	Minimal nonfailure operating time, t_{λ} , hours, min
Maximum-permissible mode (U_R , $T_{env}=85^{\circ}\text{C}$)	2 000
Maximum-permissible mode (U_R , $T_{env}=70^{\circ}\text{C}$)	5 000
Light mode ($T_{env}=70^{\circ}\text{C}$, $0.2-0.7U_R$, but not less than 0.8 V, for capacitors $U_R \leq 100\text{V}$); ($T_{env}=70^{\circ}\text{C}$, $0.2-0.5U_R$, but not less than 0.8 V, for capacitors $U_R > 100\text{V}$);	15 000
Light mode ($T_{env}=60^{\circ}\text{C}$, $0.2-0.6U_R$, but not less than 0.8 V);	60 000
Light mode ($T_{env}=60^{\circ}\text{C}$, $0.2-0.5U_R$, but not less than 0.8 V);	100 000

Storage ability min. 20 years

EXAMPLE OF REFERENCE DESIGNATION FOR ORDERING

CAPACITOR K50-29 – 25V – 1000 μ F B OZH0.464.156 TU