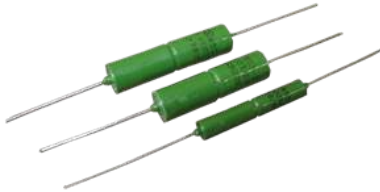


K53-7

TANTALUM SOLID-ELECTROLYTE CAPACITOR

elecond-market@elcudm.ru

+7 (34147) 2-99-89



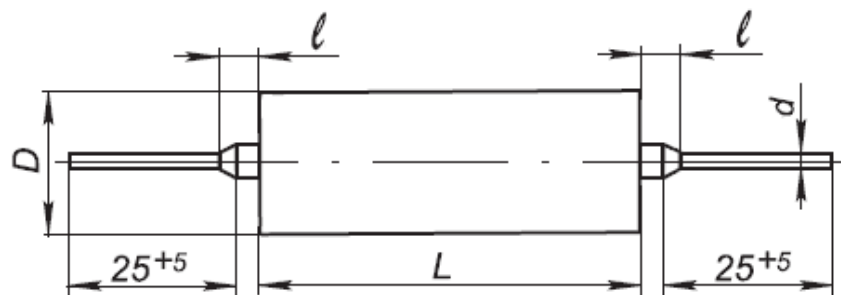
OZH0.464.043 TU
OZH0.464.043 TU; OZH0.464.201 TU

Hermetically-sealed non-polar capacitors. Capacitors are suitable for application in direct current, ripple current and pulse current circuits. Capacitors are available in all-climate version.

MAIN PARAMETERS

| Name | Value |
|--|--------------------------------|
| Rated voltage, V | 16...32 |
| Rated capacitance, μF | 0.1...47 |
| Capacitance tolerance (20°C, 50 Hz), % | ± 10 ; ± 20 ; ± 30 |
| Maximum operating temperature T_{env} , °C | +85 |
| Minimal operating temperature T_{env} , °C | -60 |

CAPASITOR PHYSICAL CONFIGURATION



CAPACITORS OVERALL DIMENSIONS AND MASS

| U_R, V | 16 | 32 |
|--------------|--|--|
| $C_R, \mu F$ | $D \times L \times l \times d, mm$ mass, g | |
| 0.1 | | $\frac{3.2 \times 18 \times 3.5 \times 0.6}{2}$ |
| 0.47 | | $\frac{3.2 \times 18 \times 3.5 \times 0.6}{2}$ |
| 1 | $\frac{3.2 \times 18 \times 3.5 \times 0.6}{2}$ | $\frac{4 \times 20 \times 3.5 \times 0.6}{2.5}$ |
| 1.5 | $\frac{3.2 \times 18 \times 3.5 \times 0.6}{2}$ | $\frac{4 \times 20 \times 3.5 \times 0.6}{2.5}$ |
| 2.2 | $\frac{4 \times 20 \times 3.5 \times 0.6}{2.5}$ | $\frac{4 \times 25 \times 3.5 \times 0.6}{2.5}$ |
| 3.3 | $\frac{4 \times 20 \times 3.5 \times 0.6}{2.5}$ | $\frac{4 \times 25 \times 3.5 \times 0.6}{2.5}$ |
| 4.7 | $\frac{4 \times 25 \times 3.5 \times 0.6}{2.5}$ | $\frac{7 \times 20 \times 3.5 \times 0.8}{10}$ |
| 6.8 | $\frac{4 \times 25 \times 3.5 \times 0.6}{2.5}$ | $\frac{7 \times 20 \times 3.5 \times 0.8}{10}$ |
| 10 | $\frac{7 \times 20 \times 3.5 \times 0.8}{10}$ | $\frac{7 \times 27 \times 3.5 \times 0.8}{10}$ |
| 15 | $\frac{7 \times 20 \times 3.5 \times 0.8}{10}$ | $\frac{7 \times 30 \times 3.5 \times 0.8}{11}$ |
| 22 | $\frac{7 \times 27 \times 3.5 \times 0.8}{10}$ | $\frac{7.8 \times 30 \times 5.5 \times 0.8}{12}$ |
| 33 | $\frac{7 \times 30 \times 3.5 \times 0.8}{11}$ | |
| 47 | $\frac{7.8 \times 30 \times 5.5 \times 0.8}{12}$ | |

CAPACITORS RELIABILITY

| Reliability Operation modes | Minimal nonfailure operating time, t_λ , hours |
|--|--|
| Maximum-permissible mode (U_R , $T_{env}=85^\circ C$) | 30 000 |
| Light mode ($(0.2-0.6)U_R$, $T_{env}=60^\circ C$) | 100 000 |
| Storageability Gamma-rated time of capacitor storageability T_{cy} at $y=99.5\%$, years, min | 25 |

CAPACITOR ELECTRIC PARAMETERS VALUE WHEN DELIVERED

| U _R , V | C _R , μF | tg δ, %, 20°C, 50 Hz, max | I _{LEAK} , μA, 20°C, after 60 sec., max | Z, Ohm, 25°C, 10kHz, max |
|--------------------|---------------------|---------------------------|--|--------------------------|
| 16 | 1 | 6 | 2 | |
| | 1.5 | | 2 | |
| | 2.2 | | 2 | 35 |
| | 3.3 | | 2 | 24 |
| | 4.7 | | 2 | 19.5 |
| | 6.8 | | 2 | 15.5 |
| | 10 | | 4.5 | 11.5 |
| | 15 | | 4.5 | 11 |
| | 22 | | 6 | 8.5 |
| | 33 | | 6 | 5 |
| | 47 | | 7 | 4 |
| 32 | 0.1 | 6 | 2 | |
| | 0.47 | | 2 | |
| | 1 | | 2 | 57 |
| | 1.5 | | 2 | 37 |
| | 2.2 | | 2 | 27 |
| | 3.3 | | 2 | 17.5 |
| | 4.7 | | 6 | 14 |
| | 6.8 | | 6 | 12 |
| | 10 | | 7 | 9 |
| | 15 | | 7 | 6 |
| | 22 | | 7 | 4 |

EXAMPLE OF REFERENCE DESIGNATION FOR ORDERING

CAPACITOR K53-7 – 16V – 33μF ±20% B OZH0.464.043 TU