

EVAYA.673623.035 TU



Commercially produced capacitors. Available to order.

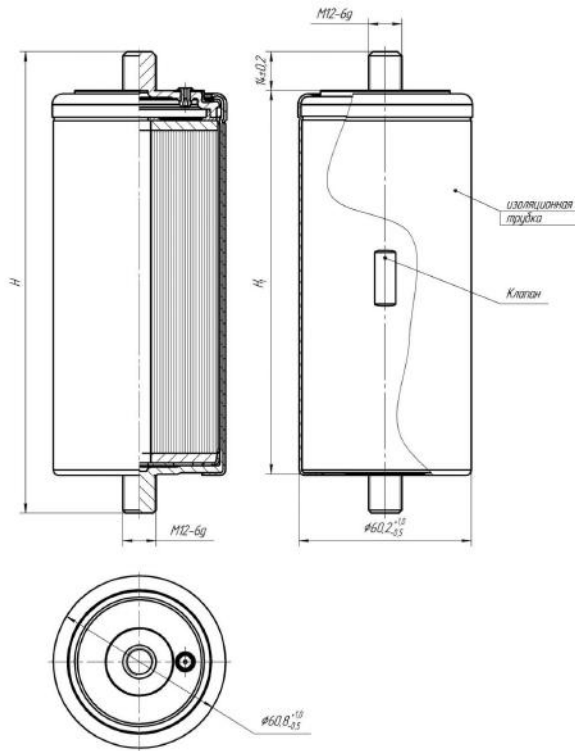
APPLICATION

- ✓ Maintaining of the equipment operation when voltage depression occurs;
- ✓ Safely shutdown of machineries;
- ✓ Maintaining "a bridge" when switching between the power supplies;
- ✓ Providing high discharging current in the equipment;
- ✓ Rapid electrical energy accumulation and further providing to the grid;
- ✓ Providing temporary electricity power for equipment while operating in autonomous mode;
- ✓ As an energy storage device in difficult remote equipment;
- ✓ As an power supply in single-use system;
- ✓ To improve the operational reliability of the equipment;
- ✓ Are used together with chemical and other current sources to extend the service life;

MAIN PARAMETERS

Name	Value
Rated voltage, V	2.7
Rated capacitance, F	1 500; 3 300
Capacitance tolerance, %	±20
Maximum operating temperature Tenv, °C	65
Minimal operating temperature Tenv, °C	-60
Maximum-permissible overvoltage, V	2.85

DIMENSIONAL DRAWING OF CAPACITOR



CAPACITORS OVERALL DIMENSIONS AND MASS

U_R, V	C_R, F	Size DxH, mm	Mass, g
2.7	1 500	60.8x113	400
2.7	3 300	60.8x166	600

CASE PROTECTION

Climatic version	Lacquer coating	Jacketing with insulating tube
Capacitors are intended for internal wiring with resistance to high humidity of 98% at the temperature 25°C	-	-
Capacitors are intended for internal wiring with resistance to high humidity of 98% at the temperature 35°C	+	-

CAPACITOR ELECTRIC PARAMETERS VALUE

U_R, V	C_R, F	I_{LEAK}, mA $T=25^\circ C, 72h$	Maximum charging and discharging current, A (discharge within 1sec. from U_R to $\frac{1}{2} U_R$)	Stored energy, Wh	Specific stored energy, Wh/kg	Specific output, W/kg
2.7	1 500	5	375	1.519	0.38	437.4
2.7	3 300	10	700	3.341	5.57	486

CAPACITORS RELIABILITY

Reliability Operation modes	t_{λ} , hours	t_{λ} , cycles	λ , 1/hour, max
Maximum-permissible mode (U_R , $T_{env}=65^{\circ}\text{C}$)	1 500		1×10^{-5}
Maximum-permissible mode (charge to U_R , discharge to $\frac{1}{2} U_R$, $T_{env}=65^{\circ}\text{C}$)		30 000	3×10^{-6}
Typical operating mode (U_R , $T_{env}=25^{\circ}\text{C}$)	90 000		2×10^{-6}
Typical operating mode (charge to U_R , discharge to $\frac{1}{2} U_R$, $T_{env}=25^{\circ}\text{C}$)		500 000	2×10^{-7}

Gamma-rated time of capacitor storageability T_{cy} at $\gamma=95\%$, 15 years

EXAMPLE OF REFERENCE DESIGNATION FOR ORDERING

CAPACITOR K58-33 – 2.7V – 3 300 F $\pm 20\%$ – I EVAYA.673623.035 TU

CAPACITOR K58-33 – 2.7V – 3 300 F $\pm 20\%$ – IB EVAYA.673623.035 TU