

AZHYAR.673623.008 TU

Commercially produced capacitors. Available to order.



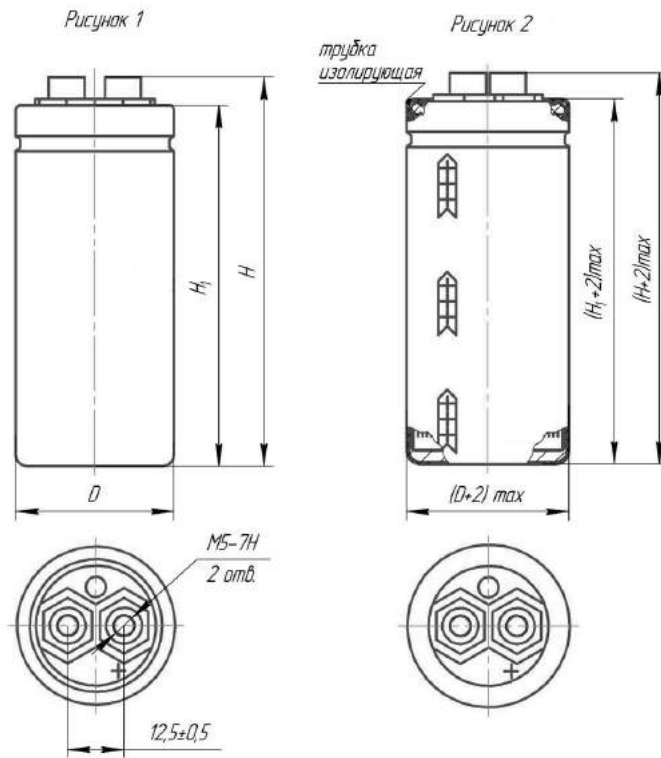
APPLICATION

- ✓ 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	340; 470
Capacitance tolerance, %	+50...-20; ±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	330	35x66	80
2.7	470	35x86	100

CASE PROTECTION

Climatic version	Lacquer coating	Jacketing with insulating tube	Figure
Capacitors are intended for internal wiring with resistance to high humidity of 98% at the temperature 25°C	-	-	1
Capacitors are intended for internal wiring with resistance to high humidity of 98% at the temperature 25°C	-	+	2
Capacitors are intended for internal wiring with resistance to high humidity of 98% at the temperature 35°C	+	-	2
Capacitors are intended for internal wiring with resistance to high humidity of 98% at the temperature 35°C	+	+	2

CAPACITOR ELECTRIC PARAMETERS VALUE

U _R , V	C _R , F	Size DxH, mm	I _{LEAK} , μA T=25°C, 72h	Maximum charging and discharging current, A (discharge within 1sec. from U _R to ½U _R)	Stored energy, Wh	Specific stored energy, Wh/kg	Specific output, W/kg
2.7	330	35x66	2000	30	0.334	4.18	266.71
2.7	470	35x86	2500	35	0.476	4.76	243

CAPACITORS RELIABILITY

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

Gamma-rated time of capacitor storageability T_{cy} at $\gamma=95\%$, 25 years

EXAMPLE OF REFERENCE DESIGNATION FOR ORDERING

CAPACITOR K58-30 – 2.7V – 330F (+50-20)% – AZHYAR.673623.008 TU

CAPACITOR K58-30 – 2.7V – 470F $\pm 20\%$ – I AZHYAR.673623.008 TU

CAPACITOR K58-30 – 2.7V – 330F $\pm 20\%$ – B AZHYAR.673623.008 TU

CAPACITOR K58-30 – 2.7V – 470F (+50-20)% – IB AZHYAR.673623.008 TU