

# LED SEMICONDUCTOR INFORMATION DEVICE СПИУ6А-8К, 8Ж, 4Л

СПИУ6А-8К 8Ж 4Л - Led information of the semiconductor device

Led semiconductor information device **СПИУ6А-8К8Ж4Л** further, the backlight is designed to replace incandescent lamps in luminous indicator panel type TSS-66 and is made of the red yellow green glow.

**The backlight consists of two nodes**

**Light with base for inclusion in the bulb holder**

- Cap with built-in diode to implement the verification regime for the testing of lamps.

**For a correct connection on pedestals has a color dot indicating + to connect.**

The use of this class of led emitters is focused on the replacement of incandescent bulbs used in block shields of nuclear power plants on power on control panels and dashboards.

Compared to the traditionally used incandescent bulbs with led backlight have longer life span 50,000 hours vs 2000 for incandescent lamps and low temperature. Operating temperature range from - 10° to + 55° C.

**The backlight keeps working when changing the supply voltage in the range from -15% to + 10% from the nominal value.**

The use of led scoreboard allows

- increase the service life of lighting fittings control panels

- to reduce the consumed means of displaying information, the power from batteries or rectifier unit in order

- remove the problem of shortage of filament lamps

to increase the reliability

- provide sufficient brightness of screen characters

illumination differ in the number of installed led emitters

- 8K - 8 red LEDs

- 8Ж - 8 yellow LEDs

- 4L - 4 green LEDs.

**ATTENTION error the connection of the cap with the diode is the failure of the whole unit TSS-66M.**

**A fragment of TSS for the connection of backlight shown in the figure.**

**The dotted line labeled model of the lamp. In brackets the designation of the connector terminals for TSS-66M without brackets - for TSS-66.**

### **IMPORTANT connection**

- 1. Remove the TSS unit of the control Board.**
- 2. Use an ohmmeter to find one of the two lampholders the contact connected to terminal 6 of connector A6 TSS. Insert the socket with the diode in the cartridge plus to pin 6 of connector A6 TSS.**
- 3. Use an ohmmeter to find the other socket lamps contact connected to terminal 7 of the connector B5 of TSS. Insert the socket with the lights in the cartridge plus the opposite contact from the contact 7 B5.**

Table of parameters and technical characteristics of the manufacture of **led semiconductor devices, information SPI**

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