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**Optoelectronic module 9C1.2A200II4 200V / 1,2A**

ИКАШ.431156.003ТУ ГК

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|--|--|--|
| <p><u>Peculiarities:</u></p> <ul style="list-style-type: none"> <li>- Control current 10 mA</li> <li>- 5 000 V Dielectric strength</li> <li>- 4-pin plastic SIP,</li> <li>Pin step 2,5 mm</li> </ul> | <p style="text-align: center;">Circuit diagram</p> | <p style="text-align: center;">Outline drawing</p> |
| <p>Switching-on circuits</p>   |  |  |
| <p style="text-align: center;">Circuit A</p>   | <p style="text-align: center;">Circuit B</p>       |  |

**ELECTRICAL PARAMETERS**  $T_{amb} = 25\text{ }^{\circ}\text{C}$

| Parameter name                          | Sign         | Unit          | Value |           |      | Measurement mode   |
|---|--------------|---------------|-------|-----------|------|--|
|   |              |               | Min.  | Typ.      | Max. |  |
| Input Voltage                           | $U_i$        | V             | 2,1   |           | 3,0  | $I_i=10\text{mA}$  |
| Output Resistance in ON condition       | $R_{ON}$     | Ohm           |       |           | 0,8  | $I_i=10\text{mA}; I_o=1,2\text{A}; t=1\text{sec.}$                   |
|   |              |               |       |           |      |  |
| Output Leakage Current in OFF condition | $I_{leak}$   | $\mu\text{A}$ |       | 0,2       | 100  | $U_i=0,8\text{V}; U_o=200\text{V}$                                   |
| Dielectric Strength: Input-Output       | $U_{diel.s}$ | V             | 5000  |           |      | $t=1\text{min.}$   |
| Insulation Resistance                   | $R_{ins}$    | Ohm           |       | $10^{11}$ |      | $U_{diel.s}=500\text{V}$   |
| Turn-on time                            | $t_{on}$     | ms            |       | 7         | 10   | $U_o=60\text{V}; R_l=1\text{kOhm}; C_l=25\text{pF}; I_i=10\text{mA}$ |
| Turn-off time                           | $t_{off}$    | ms            |       | 1         | 2    |  |

**PERMISSIBLE OPERATING CONDITIONS**

| Condition parameters                               | Units              | Min.                   | Max. | Note                   |   |
|--|--------------------|------------------------|------|------------------------|---|
| Input on-state Current                             | mA                 |                        | 25   |                        |   |
| Peak Input Current                                 | mA                 |                        | 150  | $t_i < 100\mu\text{s}$ |   |
| Input off-state Voltage                            | V                  | -3,5                   | 0,8  |                        |   |
| Operating Voltage                                  | V                  | -200                   | 200  |                        |   |
| Irms   | Circuit A          | A                      | -1,2 | 1,2                    | $T_{amb}=25^{\circ}\text{C}; I_i=10\text{mA}$   |
|  | Circuit B          |                        |      | 2,4                    |   |
| Temperature coefficient of max. Irms               | Circuit A          | mA/ $^{\circ}\text{C}$ | -10  |                        | $25^{\circ}\text{C} < T_{amb} \leq 85^{\circ}\text{C}; I_i=10\text{mA}$               |
|  | Circuit B          |                        | -20  |                        |   |
| Pulse Load Current                                 | Circuit A          | A                      | -9,4 | 9,4                    | $T_{amb}=25^{\circ}\text{C}; I_i=10\text{mA}; t=200\text{ms}; \text{Duty Cycle}=50\%$ |
|  | Circuit B          |                        |      | 18,8                   |   |
| Temperature coefficient of max. Pulse Load Current | Circuit A          | mA/ $^{\circ}\text{C}$ | -57  |                        | $25^{\circ}\text{C} < T_{amb} \leq 85^{\circ}\text{C}; I_i=10\text{mA}$               |
|  | Circuit B          |                        | -114 |                        |   |
| Operating Temperature Range                        | $^{\circ}\text{C}$ | -45                    | 85   |                        |   |