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Optoelectronic module 9C1.0A400II4 400V / 1A

ИКАИИ.431156.003TY ГК

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|--|--|--|
| <p><u>Peculiarities:</u></p> <ul style="list-style-type: none"> - Control current 10 mA - 5 000 V Dielectric strength - 4-pin plastic SIP, Pin step 2,5 mm | <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 | | | 1,1 0,28 | $I_i=10\text{mA}; I_o=1\text{A}; t=1\text{sec.}$ |
| Output Leakage Current in OFF condition | I_{leak} | μA | | 0,2 | 100 | $U_i=0,8\text{V}; U_o=400\text{V}$ |
| 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 | -400 | 400 | | |
| Irms | Circuit A | A | -1,0 | 1,0 | $T_{amb}=25^{\circ}\text{C}; I_i=10\text{mA}$ |
| | Circuit B | | | 2,0 | |
| Temperature coefficient of max. Irms | Circuit A | $\text{mA}/^{\circ}\text{C}$ | -8,6 | | $25^{\circ}\text{C} < T_{amb} \leq 85^{\circ}\text{C}; I_i=10\text{mA}$ |
| | Circuit B | | -17,2 | | |
| Pulse Load Current | Circuit A | A | -7,8 | 7,8 | $T_{amb}=25^{\circ}\text{C}; I_i=10\text{mA}; t=200\text{ms}; \text{Duty Cycle}=50\%$ |
| | Circuit B | | | 15 | |
| Temperature coefficient of max. Pulse Load Current | Circuit A | $\text{mA}/^{\circ}\text{C}$ | -48 | | $25^{\circ}\text{C} < T_{amb} \leq 85^{\circ}\text{C}; I_i=10\text{mA}$ |
| | Circuit B | | -95 | | |
| Operating Temperature Range | $^{\circ}\text{C}$ | -45 | 85 | | |