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Optoelectronic module 9C5.2A100II4 100V / 5,2A

ИКАИИ.431156.003TY ГК

<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			0,046	$I_i=10\text{mA}; I_o=5,2\text{A}; t=1\text{sec.}$
					0,012	
Output Leakage Current in OFF condition	I_{leak}	μA		0,2	100	$U_i=0,8\text{V}; U_o=100\text{V}$
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	$U_o=60\text{V}; R_l=1\text{kOhm}; C_l=25\text{pF};$
Turn-off time	t_{off}	ms		1	2	$I_i=10\text{mA}$

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	-100	100		
Irms	Circuit A	A	-5,2	5,2	$T_{amb}=25^{\circ}\text{C}; I_i=10\text{mA}$
	Circuit B			10,4	
Temperature coefficient of max. Irms	Circuit A	mA/ $^{\circ}\text{C}$	-32		$25^{\circ}\text{C} < T_{amb} \leq 85^{\circ}\text{C};$ $I_i=10\text{mA}$
	Circuit B		-64		
Pulse Load Current	Circuit A	A	-39	39	$T_{amb}=25^{\circ}\text{C}; I_i=10\text{mA};$ $t=200\text{ms}; \text{Duty Cycle}=50\%$
	Circuit B			70	
Temperature coefficient of max. Pulse Load Current	Circuit A	mA/ $^{\circ}\text{C}$	-240		$25^{\circ}\text{C} < T_{amb} \leq 85^{\circ}\text{C};$ $I_i=10\text{mA}$
	Circuit B		-340		
Operating Temperature Range	$^{\circ}\text{C}$	-45	85		