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Optoelectronic module 9C4.0A150П12 150V / 4A

ИКАИИ.431156.003ТУ 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 $T_{amb} = 25^{\circ}C$

Parameter name	Sign	Unit	Value			Measurement mode
			Min.	Typ.	Max.	
Input Voltage	U_i	V	2,1		3,0	$I_i=10mA$
Output Resistance in ON condition	R_{ON}	Ohm			0,084	$I_i=10mA; I_o=4A; t=1sec.$
Output Leakage Current in OFF condition	I_{leak}	μA		0,2	100	$U_i=0,8V; U_o= 150V$
Dielectric Strength: Input-Output	$U_{diel.s}$	V	5000			$t=1min.$
Insulation Resistance	R_{ins}	Ohm		10^{11}		$U_{diel.s}=500V$
Turn-on time	t_{on}	ms		7	10	$U_o=60V; R_l=1kOhm; C_l=25pF;$
Turn-off time	t_{off}	ms		1	2	$I_i=10mA$

PERMISSIBLE OPERATING CONDITIONS

Condition parameters	Units	Min.	Max.	Note	
Input on-state Current	mA		25		
Peak Input Current	mA		150	$t_i < 100\mu s$	
Input off-state Voltage	V	-3,5	0,8		
Operating Voltage	V	-150	150		
Irms	Circuit A	A	-4,0	4,0	$T_{amb}=25^{\circ}C; I_i=10mA$
	Circuit B			8,0	
Temperature coefficient of max. Irms	Circuit A	mA/ $^{\circ}C$	-24		$25^{\circ}C < T_{amb} \leq 85^{\circ}C;$ $I_i=10mA$
	Circuit B		-48		
Pulse Load Current	Circuit A	A	-29	29	$T_{amb}=25^{\circ}C; I_i=10mA;$ $t=200 ms; Duty Cycle=50\%$
	Circuit B			58	
Temperature coefficient of max. Pulse Load Current	Circuit A	mA/ $^{\circ}C$	-180		$25^{\circ}C < T_{amb} \leq 85^{\circ}C;$ $I_i=10mA$
	Circuit B		-360		
Operating Temperature Range	$^{\circ}C$	-45	85		