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Optoelectronic module 8C0.7Б1200П11 1200V / 0,7A

ИКАШ.431156.010ТУ ГК

<p><u>Peculiarities:</u></p> <ul style="list-style-type: none"> - Control current 10 mA - 5000 V Dielectric strength - Operating Voltage 1200 V - Plastic package <p><u>Application:</u></p> <ul style="list-style-type: none"> - substitution of electromagnetic relay - industrial automation - power interface 	<p>Circuit diagram</p>	<p>Outline drawing</p>
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ELECTRICAL PARAMETERS $T_{amb} = 25^\circ C$

Parameter name	Sign	Unit	Value			Measurement mode
			Min.	Typ.	Max.	
Input Voltage	U_i	V	2,2		3,0	$I_i=10mA$
Residual Voltage in ON condition	U_{res}	V		1,9	2,3	$I_i=10mA; I_o=0,7A; t=1sec.$
Output Leakage Current in OFF condition	I_{leak}	μA			20	$U_i=1,5V; U_o=1200V$
Dielectric Strength: Input-Output	$U_{diel.s}$	V	5000			$t=1min.$
Insulation Resistance	R_{ins}	Ohm		10^{11}		$U_{diel.s}=500V$
Output off-state Capacitance	C_o	pF		10		$U_o=25V; f=1MHz$
Turn-on time	t_{on}	ms		5	7	$U_o=60V; R_l=1kOhm; C_l=25pF;$
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	-7	1,5	
Operating Voltage	V		1200	
I_{rms}	A		0,7	$T_{amb}=25^\circ C; I_i=10mA$
Temperature coefficient of max. I_{rms}	$mA/^\circ C$		-7	$25^\circ C < T_{amb} \leq 85^\circ C;$ $I_i=10mA$
Pulse Load Current	A		7,0	$T_{amb}=25^\circ C; I_i=10mA;$ $t=100 ms; Duty Cycle=50\%$
Temperature coefficient of max. Pulse Load Current	$mA/^\circ C$		-50	$25^\circ C < T_{amb} \leq 85^\circ C;$ $I_i=10mA$
Operating Temperature Range	$^\circ C$	-45	85	