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“SYNTEC”
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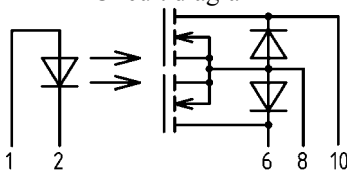
Optoelectronic module 9C0.6A600П4 600V / 0,6A

ПКАШ.431156.003ТУ ГК

Peculiarities:
- Control current 10 mA
- 5 000 V Dielectric strength
- 4-pin plastic SIP,

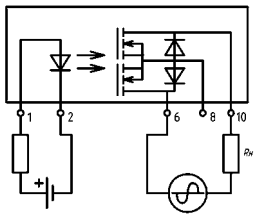
Pin step 2,5 mm

Circuit diagram

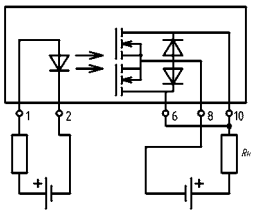


Switching-on circuits

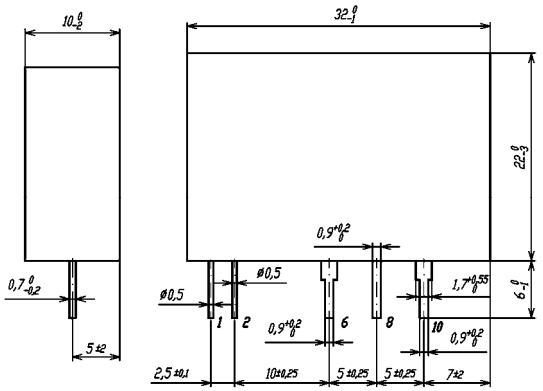
Circuit A



Circuit B



Outline drawing



ELECTRICAL PARAMETERS Tamb = 25 °C

Parameter name		Sign	Unit	Value			Measurement mode
				Min.	Typ.	Max.	
Input Voltage		Ui	V	2,1		3,0	Ii=10mA
Output Resistance in ON condition	Circuit A	R_{ON}	Ohm			4,4	Ii=10mA; Io=0,6A; t=1sec.
	Circuit B					1,1	
Output Leakage Current in OFF condition		Ileak	μA		0,2	100	Ui=0,8V; Uo= 600V
Dielectric Strength: Input-Output		Udiel.s	V	5000			t=1min.
Insulation Resistance		Rins	Ohm		10^{11}		Udiel.s=500V
Turn-on time		t_{on}	ms		7	10	Uo=60V; Rl=1kOhm; Cl=25pF; Ii=10mA
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 <100μs
Input off-state Voltage		V	-3,5	0,8	
Operating Voltage		V	-600	600	
Irms	Circuit A	A	-0,6	0,6	Tamb=25°C; Ii=10mA
	Circuit B			1,2	
Temperature coefficient of max. Irms	Circuit A	mA/°C	-4,4		25°C < Tamb ≤ 85°C; Ii=10mA
	Circuit B		-8,8		
Pulse Load Current	Circuit A	A	-3,8	3,8	Tamb=25°C; Ii=10mA; t=200 ms; Duty Cycle=50%
	Circuit B			7,6	
Temperature coefficient of max. Pulse Load Current	Circuit A	mA/°C	-23		25°C < Tamb ≤ 85°C; Ii=10mA
	Circuit B		-46		
Operating Temperature Range		°C	-45	85	