"Electronic Components Synthesis", Ltd.
"SYNTEC"
Russia, 302020, Orel, Naugorskoe shosse, 5.
Tel./Fax: (4862) 45-53-20, E-mail: syntec@orel.ru, www.syntec.orel.ru

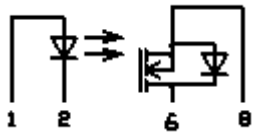
Optoelectronic module 8C6.0A100П11 100V / 6A

ПКАШ.431156.003ТУ ГК

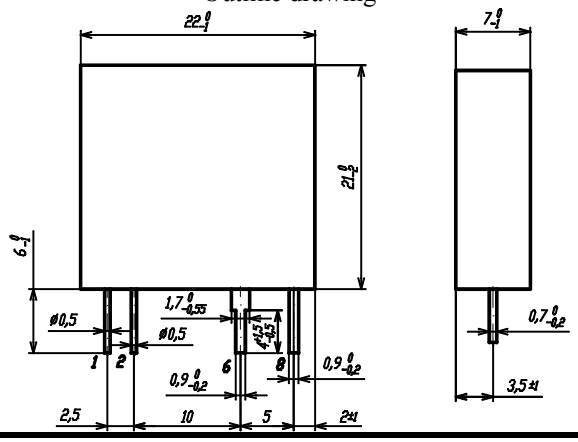
Peculiarities:
- Control current 10 mA
- 5 000 V Dielectric strength
- 4-pin plastic SIP,
Pin step 2,5 mm

Application:
- substitution of electromagnetic relay
- industrial automation
- power interface

Circuit diagram



Outline drawing



ELECTRICAL PARAMETERS Tamb = 25 °C

Parameter name	Sign	Unit	Value			Measurement mode
			Min.	Typ.	Max.	
Input Voltage	Ui	V	2,2		3,0	Ii=10mA
Output Resistance in ON condition	R_{ON}	Ohm			0,023	Ii=10mA; Io=6A; t=1sec.
Output Leakage Current in OFF condition	Ileak	µA		0,2	100	Ui=1,6V; Uo=100V
Dielectric Strength: Input-Output	Udiel.s	V	5000			t=1min.
Insulation Resistance	Rins	Ohm		10^{11}		Udiel.s=500V
Output off-state Capacitance	Co	pF		410		Uo=25V; f=1MHz
Turn-on time	t_{on}	ms		5	7	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	-7,0	1,6	
Operating Voltage	V	-0,5	100	
Irms	A		6,0	Tamb=25°C; Ii=10mA
Temperature coefficient of max. Irms	mA/°C	-40		25°C < Tamb ≤ 85°C; Ii=10mA
Pulse Load Current	A		42	Tamb=25°C; Ii=10mA; t=200 ms; Duty Cycle=50%
Temperature coefficient of max. Pulse Load Current	mA/°C	-260		25°C < Tamb ≤ 85°C; Ii=10mA
Operating Temperature Range	°C	-45	85	