

READ WINDOW HEATING TIMER IC

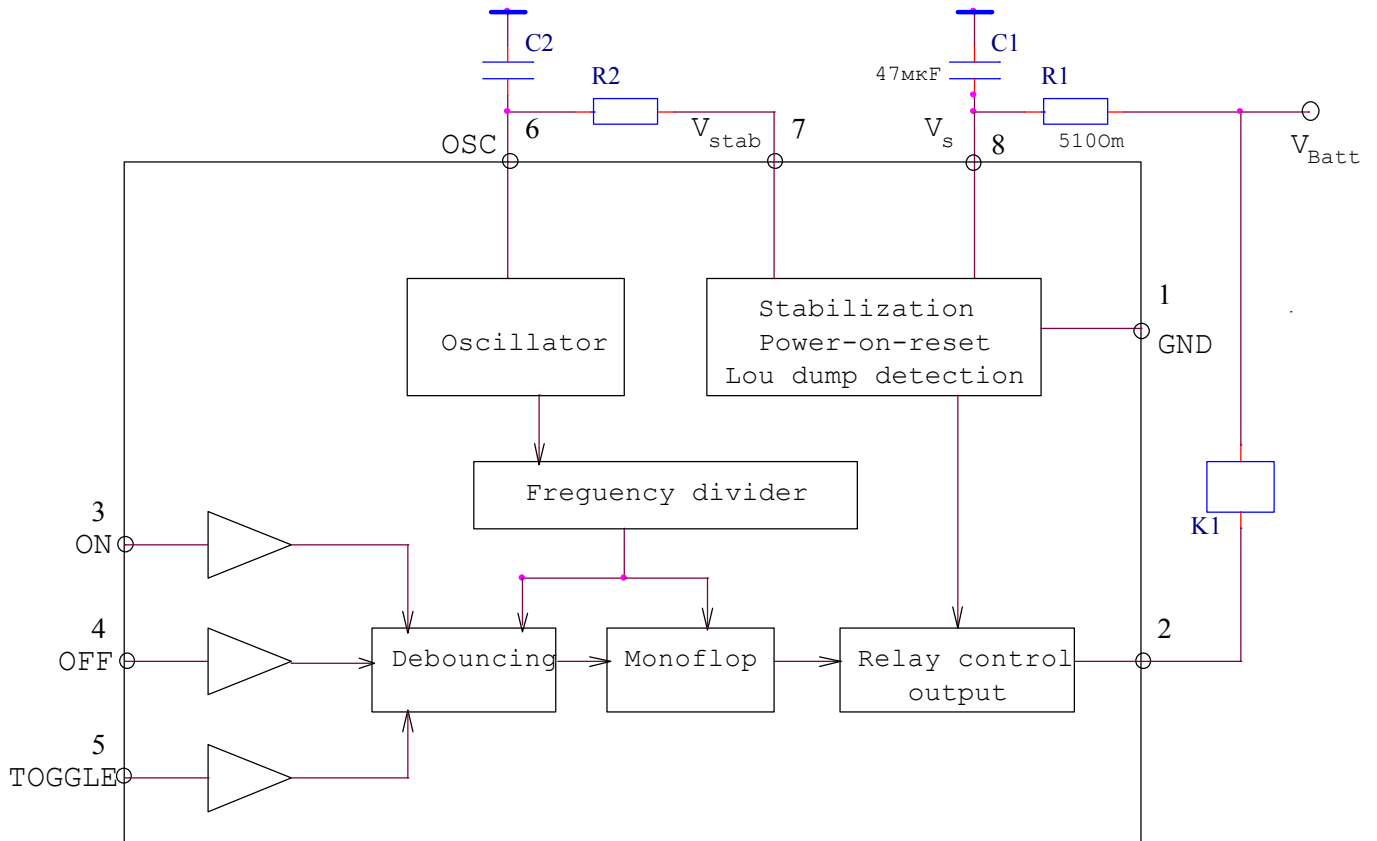
Description

The window heating timers are bipolar integrated circuits. Due to time controlled functions, they reduce the current consumptions of high loads i.e., heating resistors. An ON-relay can be switched off after a preset delay time. The relay time can be interrupted manually whereas a retrigger function is not provided.

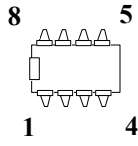
Features

- . Delay time range: 3.7 s to 20 h
- . RC oscillator determines switching characteristics
- . Relay driver with Z-diode
- . Debounced input for toggle switch
- . Two debounced inputs: ON and OFF
- . Load dump protection
- . RF interference protected
- . Protection according to ISO/TR7637-1 (VDE 0839)
- . U 6046 B: Inputs switched to VBatt
- . U 6047 B: Inputs switched to ground

Block diagram with external circuit



Cases:



DIP-8
SO-8

Pin configuration

Pin	Pin function
1	Reference point, ground
2	Relay control output
3	Switch-on input
4	Switch-off input
5	Toggle input
6	RC oscillator input
7	Stabilized voltage
8	Supply voltage

ELECTRICAL SPECIFICATION ($T_A = 25^{\circ}C$)

The name of parameter	Units	Symbol	Min.	Max.	Conditions
1. Saturation voltage	V	U_2	-	1,5	$I_2=300mA$
2. Supply current	mA	I_{cc}	-	2,2	All pushbuttons open
3. Debounce time	cycles	t_{DHL3}	5	7	$V_{CC}=10.8\div 15V$
4. Delay time	cycles	t_D		73728	$V_{CC}=10.8\div 15V$

Application Circuit

