

Delay timer 2s - 1000h



1. DESCRIPTION

Simple multifunctional module with delay setting by means of an external component - a resistor.

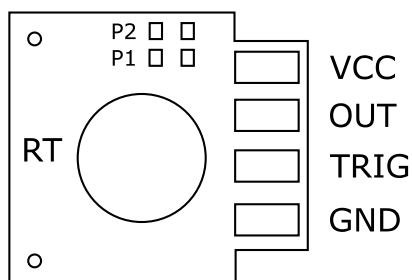


2. SPECIFICATIONS

operating voltage	2-5 VDC	Max. switching current (up to VCC, "source")	5 mA
Operating current	1 μ A	Time setting range	2-1000 h
Max. switched current (to GND, "sink")	30 mA	Dimensions (mm)	12 x 12



3. CONNECTION



Symbol	Description
RT	Pads for connecting an external resistor - the value is determined according to the table below.
P1, P2	When shorting the jumper P1, we extend 8 times the time set by the resistor R_T
	When shorting the jumper P2, we extend 64 times the time set by the resistor R_T
	When shorting both jumpers, we extend 512 times the time set by resistor R_T
TRIG	Trigger. After grounding the TRIG pin, the set time countdown starts.
OUT	Exit. After starting the countdown, the output is log. 0 (0-0.3 V). After the set time is at the log output. 1 (VCC).

P1 P2 Not Connected				
Resistance	3V	Delay Time	4.5V	Delay Time
10K	1.35MHz	5.8 sec	1.6MHz	4.8 sec
20K	930KHz	8.9 sec	1.05M	8.0 sec
30K	723K	12.1 sec	800K	11.4 sec
51K	480K	19.2 sec	517K	18 sec
75K	370K	26.5 sec	350K	25 sec
100K	276K	34 sec	289K	32 sec
150K	191K	49 sec	197K	46 sec
200K	149K	65 sec	153K	60 sec
240K	126K	78 sec	129K	74 sec
300K	95K	96 sec	97K	92 sec
390K	79K	123 sec	81K	119 sec
510K	61K	155 sec	62K	150 sec
560K	54K	175 sec	54K	168 sec
620K	51.1K	199 sec	51K	187 sec
750K	39.7K	230 sec	39.9K	222 sec
820K	37K	255 sec	37K	246 sec
1M	32K	330 sec	32K	291 sec
1.5M	21.9K	383 sec	21.9K	432 sec
2M	16K	598 sec	16K	568 sec
3M	11K	762 sec	11K	762 sec
4.7M	7.2K	1425 sec	7.2K	1165 sec
5.1M	6.3K	1631 sec	6.3K	1331 sec
10M	3.2K	2921 sec	3.2K	2621 sec
15M	2.1K	4394 sec	2.2K	3813 sec
20M	1.8K	5160 sec	1.9K	4660 sec
22M	1.3K	7052 sec	1.3K	6452 sec