УР1101ХП33

(ICL7650)

AUTOMOTIVE DIRECTION INDICATOR AND EMERGENCY STOP FLASHER

Features

Supply voltage .... 8..18V
Supply current .... <5 mA
Output currrent .... up to 250 mA
generation rate .... $f=1/K_n \cdot R \cdot C$
K_n (f_1) constant 1.5
on-off time ratio 2,0

K_C (f_2) constant 0.68
on-off ratio .... (f_2) 2,5
Protection operation treshold ..... 20V and 30V
Double frequency operation treshold ... 20 mV
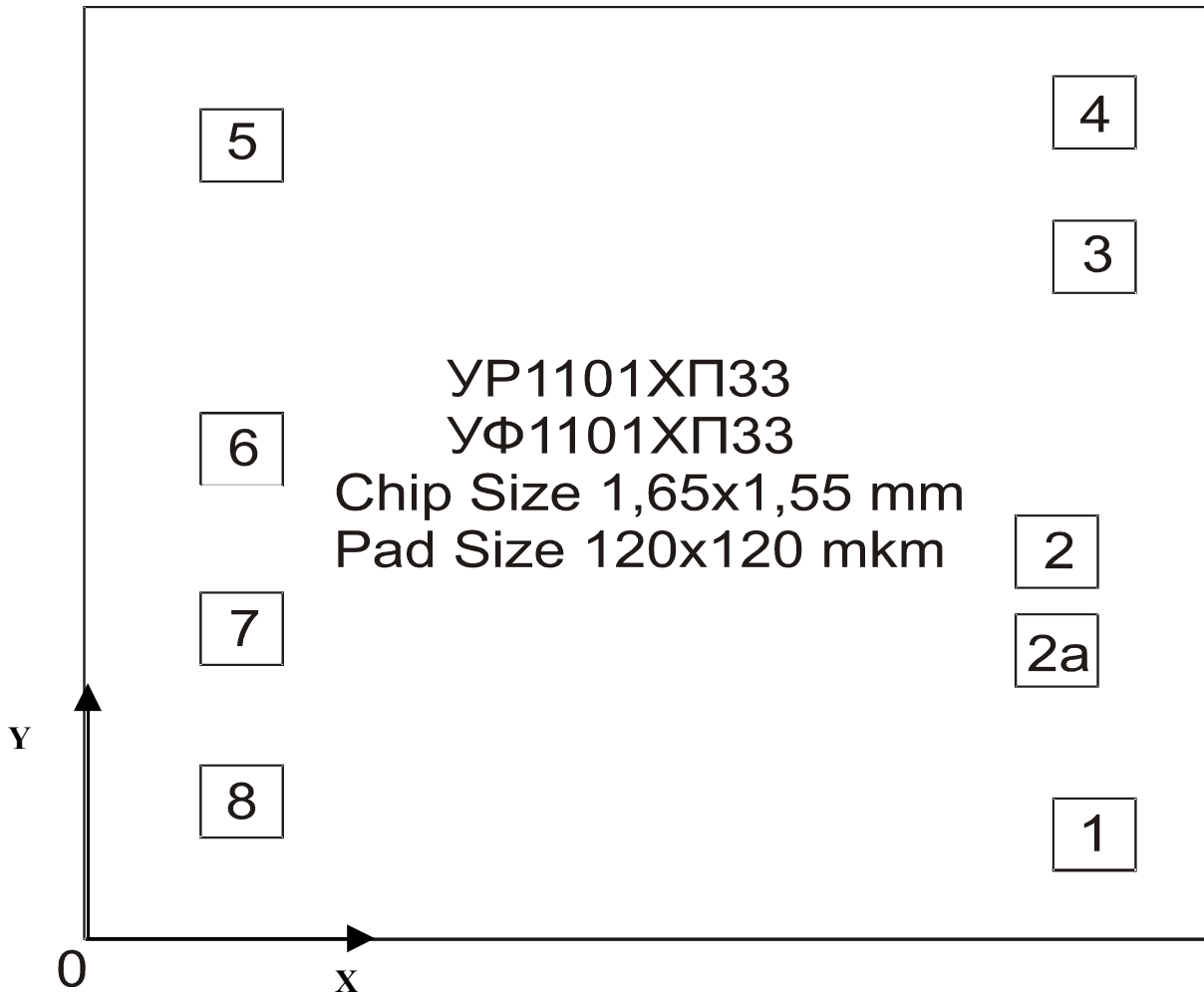Operating temperature range .... -45....+85ºC

GENERAL DESCRIPTION

IC УР1101ХП33 – is a device for conrtol automotive direction indicator and emergency stop flasher. In interrupter this IC inted for getting interrupder light signal (As direction indicator) and emergency stop flashing (As emergency stop flasher). Device directluy drives the flasher relay. Also have internal protection for inpulse noise i nsupply bus with VDE 839 and PTM 37.003.031-83 standarts. Without one lamp blink frequency doules. This IC also useful without relay, in various devices light and sound signallingn, in security systems, etc. IC can be produced in 8-pin plastic DIP (2.101.8-1) package or in SO-8. УР1101ХП33 is functional and pinout analog of IC MC33193.

ELECTRIC PARAMETERS (T_A=25ºC)

Parameter	Symbol	Min	Max	U_{CC},V
Residual voltage	U_{DS3}		1.0	8
			1.3	18
Generation coeficient	K_{GEN1}	1.3	1.75	8
		1.3	1.75	13.5
		1.3	1.75	18
On-off ratio	K_{f1}	0.45	0.55	8
		0.45	0.55	18
Generation coeficient at double frequency condition	K_{GEN2}	0.63	0.75	8
		0.63	0.75	13.5
		0.63	0.75	18
On-off ratio at double frequency condition	K_{f2}	0.35	0.45	8
		0.35	0.45	18
Current consumption (Relay off)	I_{CC}		3.5	18
Double frequency condition ON voltage, mV	U_{ITP7}	46	56	13.5

Pad Location:

УР1101ХП33

(ICL7650)

УР1101ХП33
УФ1101ХП33
Chip Size 1,65x1,55 mm
Pad Size 120x120 mkm

Y

0   **X**

Pad coordinats, and functions

Pad N	DIP N	SO-8 N	ADC PIN	Coordinates, µm	
				x	y
1	1	1	U_{SS}	1415	115
2a	2	2	U_{CC}	1360	421
2	2	2	U_{CC}	1360	585
3	3	3	Relay	1415	1075
4	4	4	Oscillator	1415	1315
5	5	5	Oscillator	170	1260
6	6	6	Enable	170	755
7	7	7	Fault Detector	170	457
8	8	8	Starter	170	170