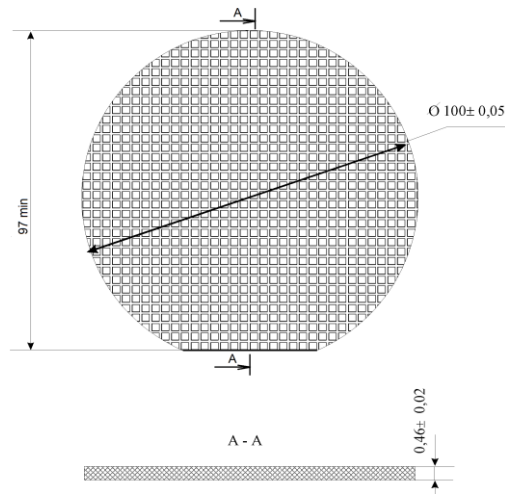
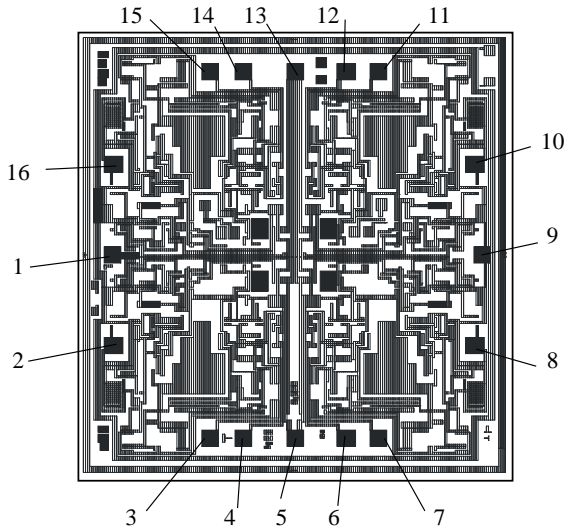


Voltage Comparator α RD3430H4


Size of chip: (3,5x3,2)mm

Pin Connection Diagram

Pin	Connection	Pin	Connection
1	Power U_{CC1} (plus)	9	Ground
2	Output 1	10	Output 3
3	Inverting input 1	11	Inverting input 3
4	Noninverting input 1	12	Noninverting input 3
5	Power U_{CC2} (minus)	13	Power U_{CC3} (plus)
6	Noninverting input 2	14	Noninverting input 4
7	Inverting input 2	15	Inverting input 4
8	Output 2	16	Output

Electrical Characteristics

 $T_A = +25^\circ\text{C}$

Parameter	Conditions	Min	Max	Units
Input Offset Voltage	$U_{CC1} = 13,2 \text{ V}$, $U_{CC2} = -13,2 \text{ V}$, $U_{CC3} = 5,5 \text{ V}$, $U_o = 1,4 \text{ V}$	-3	3	mV
Output low Voltage	$U_{CC1} = 13,2 \text{ V}$, $U_{CC2} = -13,2 \text{ V}$, $U_{CC3} = 5,5 \text{ V}$, $I_o = 0,1 \text{ mA}$, $U_I = 20\text{mV}$	0	370	mV
Output high Voltage	$U_{CC1} = 10,8 \text{ V}$, $U_{CC2} = -10,8 \text{ V}$, $U_{CC3} = 4,5 \text{ V}$, $I_o = -1,6 \text{ mA}$, $U_I = -20\text{mV}$	2,7	-	V
Supply Current	I_{CC1} $U_{CC1} = 13,2 \text{ V}$, $U_{CC2} = -13,2 \text{ V}$, $U_{CC3} = 5,5 \text{ V}$ $U = 20\text{mV}$	-	30	mA
Supply Current	I_{CC2} $U_{CC1} = 13,2 \text{ V}$, $U_{CC2} = -13,2 \text{ V}$, $U_{CC3} = 5,5 \text{ V}$ $U = 20\text{mV}$	-	15	mA
Input Bias Current	$U_{CC1} = 10,8 \text{ V}$, $U_{CC2} = -10,8 \text{ V}$, $U_{CC3} = 5,5 \text{ V}$, $U_o = 1,4 \text{ V}$	-	2	mkA
Input Offset Currents	$U_{CC1} = 13,2 \text{ V}$, $U_{CC2} = -13,2 \text{ V}$, $U_{CC3} = 5,5 \text{ V}$, $U_o = 1,4 \text{ V}$	-	0,4	mkA
Voltage Gain	$U_{CC1} = 13,2 \text{ V}$, $U_{CC2} = -13,2 \text{ V}$, $U_{CC3} = 4,5 \text{ V}$, $U_o = 1,4 \text{ V}$ $\Delta U_o = \pm 0,5 \text{ V}$	50000	-	-
Propagation delay	$U_{CC1} = 10,8 \text{ V}$, $U_{CC2} = -10,8 \text{ V}$, $U_{CC3} = 4,5 \text{ V}$, $U_o = (1-3) \text{ V}$	-	120	ns

Microcircuits are made under supervision of Quality Department, checked and there correspond specification