

# Der Phaser V1 – Operating Values

## Setting Bias

Connect the Phaser and switch it „on“.

Turn trimpot R22 to center position. Speed-pot half way and Deep-pot full right (maximum).

Turn trimpot slowly left and right, until desired phasing effect is found..

If no modulation is audible, check IC1 on Pin 5, 6 or 7, the LFO has to oscillate (= multimeter oscillates in rhythm)

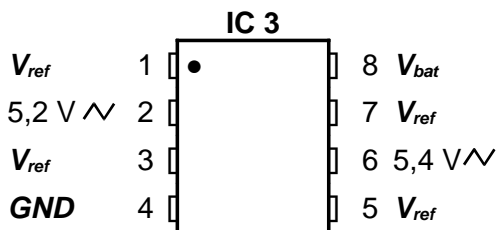
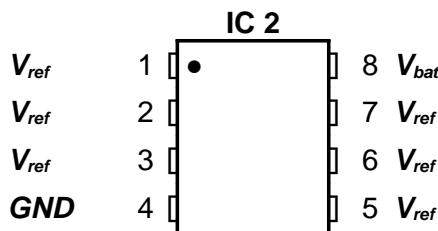
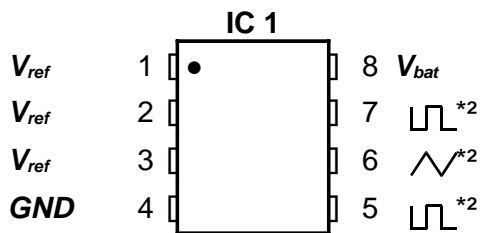
## Meßwerte

$I_{ges} = 11 / 14 \text{ mA}$  (power consumption without / with LED)



$V_{bat} = 8,9 \text{ V}$

$V_{ref} = 4,9 \text{ V}$ , measured on D1 \*1


$GND = 0 \text{ V}$



## Q1-Q4 (2N5952)

D:  $V_{ref}$       Top View  
G: 2,2...2,7 V   
S:  $V_{ref}$         
                    G S D

## Q5 (2N4125)

C: 3,0 V      Top View  
B: 4,3 V  
E:  $V_{ref}$         
                    E B C

\*1  $V_{ref}$  should at least measure 4,5 V. If necessary replace D1 (zener-diode 5,1 V).

\*2 Voltage oscillates with LFO-signal.

**All values measured to GND (Input-jack), no input-signal applied.**