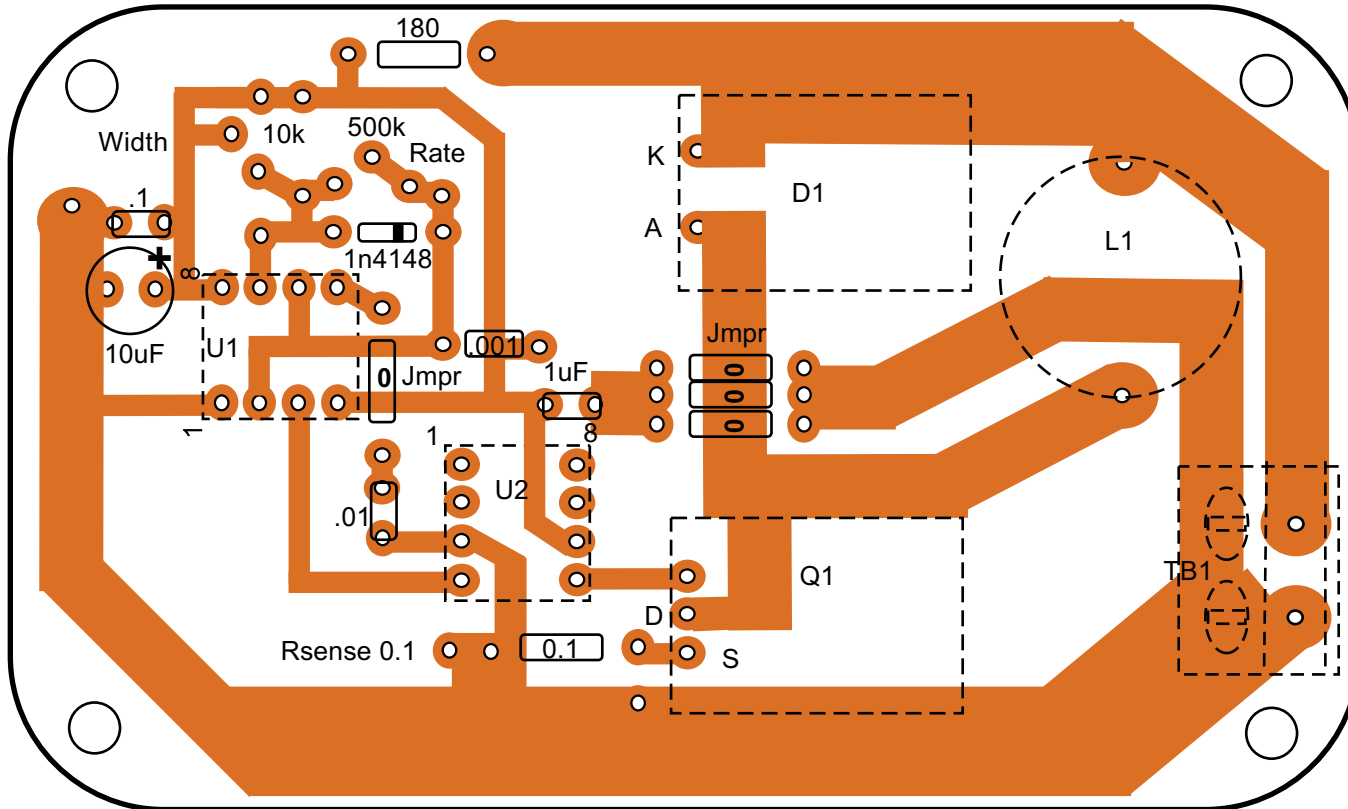


Roth 10kHz Desulfator LOM/PL & PCB

Based on Circuit Design by: Bill Roth
W5USJDrawing 2 Dec '09

Note: This is strictly a mechanical drawing. No Gerber files
No silkscreen or solder mask. Intended for use with PCB
presensitized for positive artwork (MG Chemicals Process)



R0 0 Ω Jumper
R1 180 Ω
R2 10k pot Width
R3 500k pot Rate

C1 10uF
C2 .01
C3 .001
C4 1uF ceramic

Q1 IRFI640GPBF

D1 FFPF10UP20STU (TO-220)
D2 1N4148

U1 NE555 CMOS

L1 4.7uH Toroid

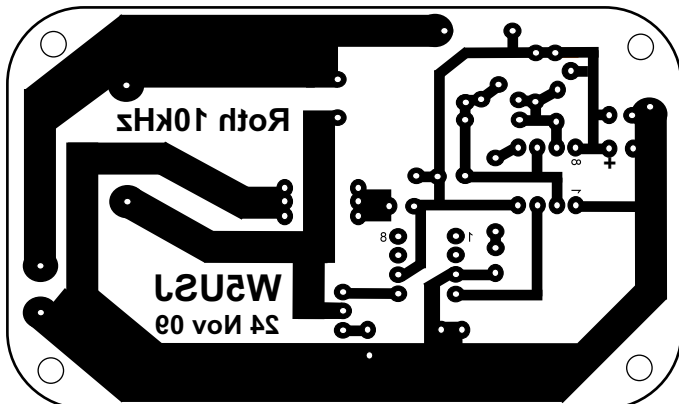
TB1 Kobicon Terminal Block

H1 Aavid Heat Sink

Rate for final assy would be 2 or 3 jumper selectable resistors.

My Rsense is 5, 0.5 Ohm 1/4W 5% resistors in parallel

1x Positive Artwork (flipped for printing on transparencies)



Mouser Part Numbers:

R0 0 Ω 71-FRJ-50-0 Jmpr
R1 271-180-RC
R2 72-T93YB-10K 20t pot
R2 Alt Fixed TBD
R3 72-T93YB-500K 20t pot
R3,4,5 Alt Fixed TBD

C1 647-UPW1H100MDD
C2 80-C315C103K5R
C3 140-PEI2A102K-RC
C4 80-C330C105K5R

Q1 844-IRFI640GPBF

D1 512-FFPF10UP20STU

D2 512-1N4148

U1 771-ICM7555IN/01

U2 595-TPS2812PE4

TB1 158-P02EK500A2-E

H1 532-577304B00

Newark Part Number

L1 63K3412
Miller 2000-4R7-H-RC