R1
1k

R2
470k

5V

U2

+

TLC2272

−

−5V

input

i_meas

R3
10k

5V

U3

+

TLC2272

−

−5V

R4
10k

D2
D1N4007

R5
1000k

C1
10μ

voltage_peak

.tran 0 0.1 0 50m
.inc D1N4007.lib
.inc TLC2272.lib

5V

V1

5

-5V

V2

-5

input

V3

SINE(0 8.55m 50)

--- F:\Assignment 2\currentpeakdetector.asc ---