



Ring Modulator
Version 1
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Ring Modulator

Description:

A ring modulator. Also known as a “four quadrant multiplier.” Send any two signals into the two inputs, and you’ll hopefully get something interesting and very different at the output.

Engineering notes:

I built this using National’s LM13700 datasheet as a reference. I added some op-amp buffers and ditched the Darlington. I also noticed that the gain of the amp seemed lopsided, so I tweaked some resistor values until it looked symmetrical on the ‘scope.