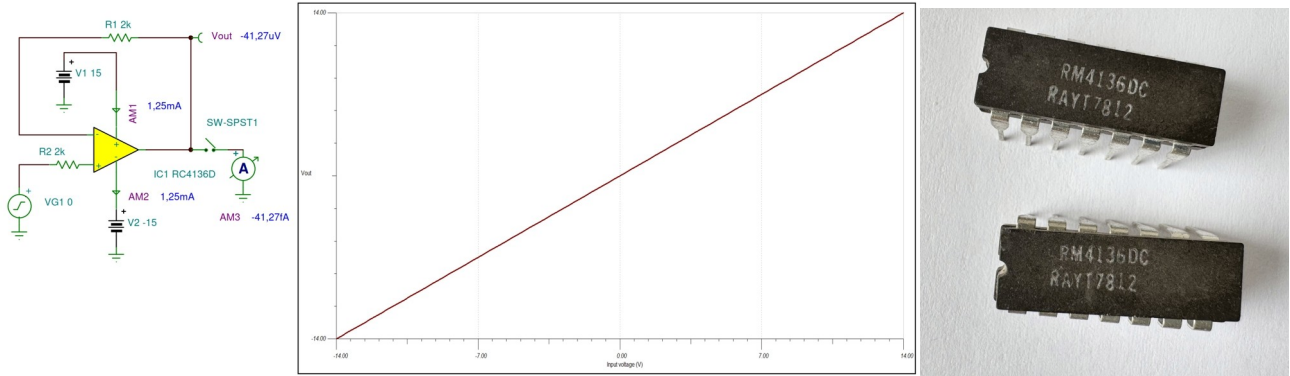
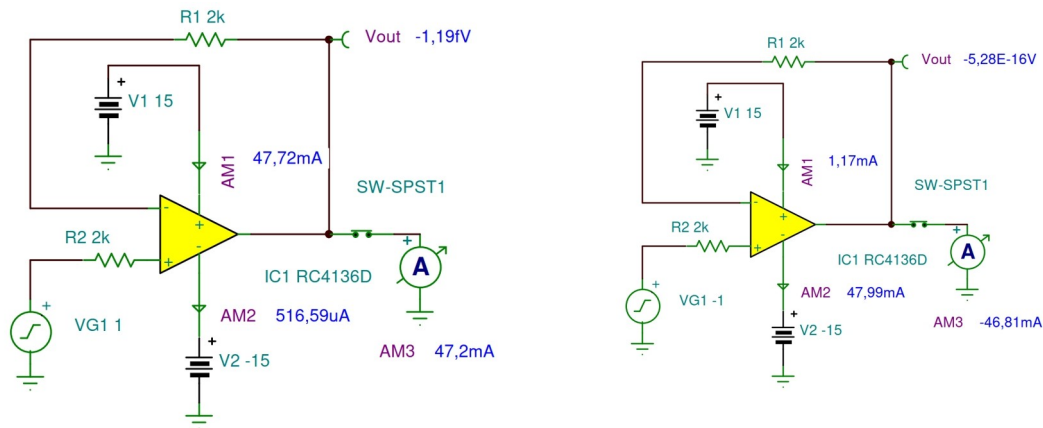


RC4136 **General** Performance Operational Amplifier Macro Model

DC Characteristics:

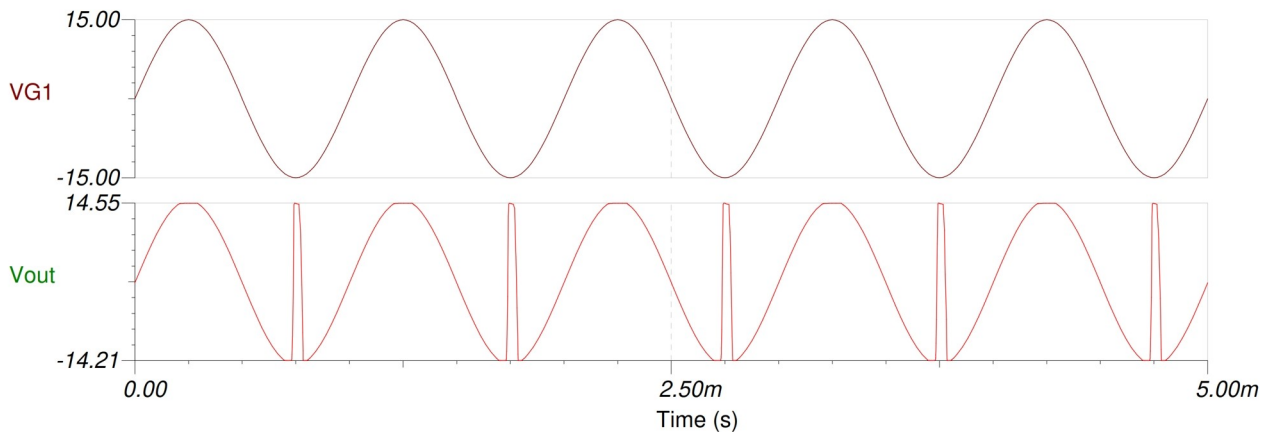


Short Circuit Current:



Output Voltage Phase-Reversal:

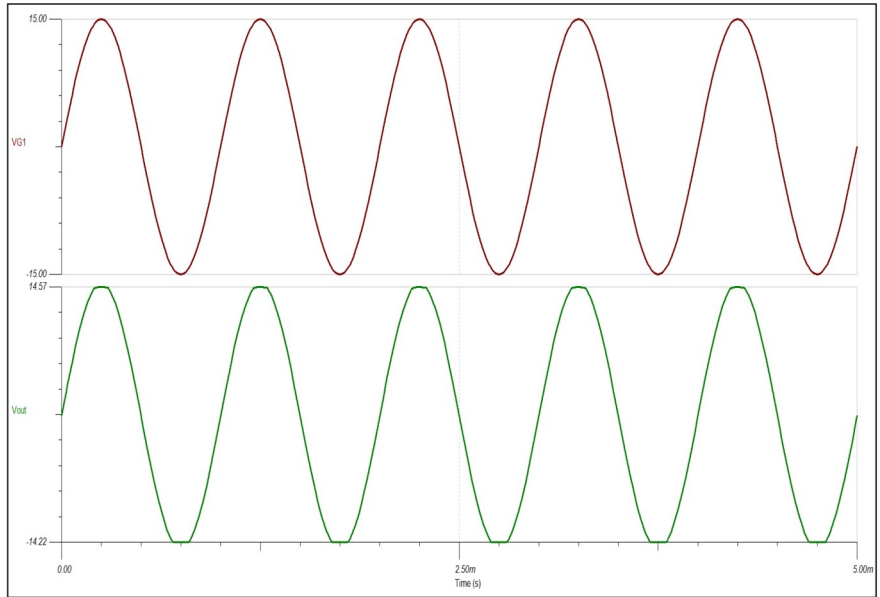
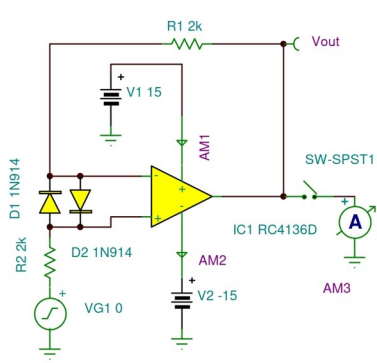
Output voltage phase-reversal is a problem that occurs in some op amps when the input common-mode voltage is exceeded. The inputs may still be well within the supply voltage rails, but simply above or below one of the specified CM limits (+14V). Typically, this is towards the negative range.



Phase-reversal is most likely to occur when the op amp is configured as a unity-gain voltage follower.

To avoid phase inversion in this particular case the cure is a diode pair and a series resistor. It is very useful to keep the R value as low as possible, to minimize offset and noise errors. With appropriate selection of these parts, input protection for an op amps can be ensured.

Output Voltage Phase-Reversal Protection:



3-Phase Signal Generator:

