



1. Fender Deluxe Splitter Design

$$V_C = +77$$

$$\text{current} = 3.2 \text{ ma}$$

$$\text{Supply Voltage} = +325$$

2. Determine R

Drop across BC547 is 0.7 volts.

$$R = \frac{77 - 0.7}{3.2} = 23.8 \text{ k}$$

This will provide similar quiescent conditions as the schmidt but will be a better splitter due to constant current source and very high impedance of "tail resistor" (BC547)