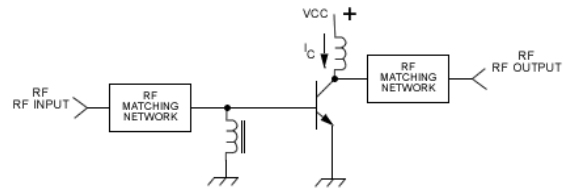


Class C operation

Class C Amplifiers are not DC forward biased. Collector current, I_c , flows over significantly less than 50% of the RF input cycle. Class C amplifiers have a very limited dynamic range (0 to 6 dB) and have a tendency to snap off if the RF input signal is reduced below the rated level.



Class C Advantages:

- Excellent Efficiency
- Compact Size
- Multikilowatt Pulse Output Power
- Cool Operation
- CW, FM, Phase and Pulse Amplification

Class C Disadvantages:

- Poor Dynamic Range
- Cannot Support AM Signals

Applications:

- Troposcatter Amplifiers
- FM Amplifiers
- EW/ECM
- Booster Amplifiers
- Communications Systems
- TWT Replacements
- TACAN Systems
- Radar Systems