

10 July 2021

JJ 12AY7 Phase Split/Driver & LM334 Current Sink JJ 7591S PP Edcor 10W 10k plate-plate  
Ultra Linear 8 Ohm Load on 4 Ohm Tap

287V at Edcor primary center tap

Individual Self Bias Resistors 500 Ohms each 11.7 V 11.7 V 23.4 mA 23.4 mA

|               |   |                       |
|---------------|---|-----------------------|
| 1 Watt, 1kHz, | 2nd Harmonic - 50 dBc                   | 3rd Harmonic - 53 dBc |
|               | 2nd Harmonic 0.32 %                     | 3rd Harmonic 0.22 %   |
|               | RSS: 2nd Harmonic + 3rd Harmonic 0.39 % |                       |

|                 |        |
|-----------------|--------|
| Clip @ 6.3 Vrms | 4.96 W |
|-----------------|--------|

|             |                  |                    |
|-------------|------------------|--------------------|
| 1V no load; | 0.6 V 8 Ohm load | Damping Factor 1.5 |
|-------------|------------------|--------------------|

|          |           |          |         |
|----------|-----------|----------|---------|
| 215mV in | 2.0 V out | Gain 9.3 | 19.4 dB |
|----------|-----------|----------|---------|

|             |                     |                  |                |
|-------------|---------------------|------------------|----------------|
| 1kHz 2.83 V | 19.999 kHz 2.5 V    | 21.5 Hz 2.7 V    | 40 Hz. 2.8 V   |
|             | 19.999 kHz -1.08 dB | 21.5 Hz -0.41 dB | 40 Hz -0.09 dB |

Impulse: Flat

10kHz Square Wave: one small 'ring' @ about 60 kHz