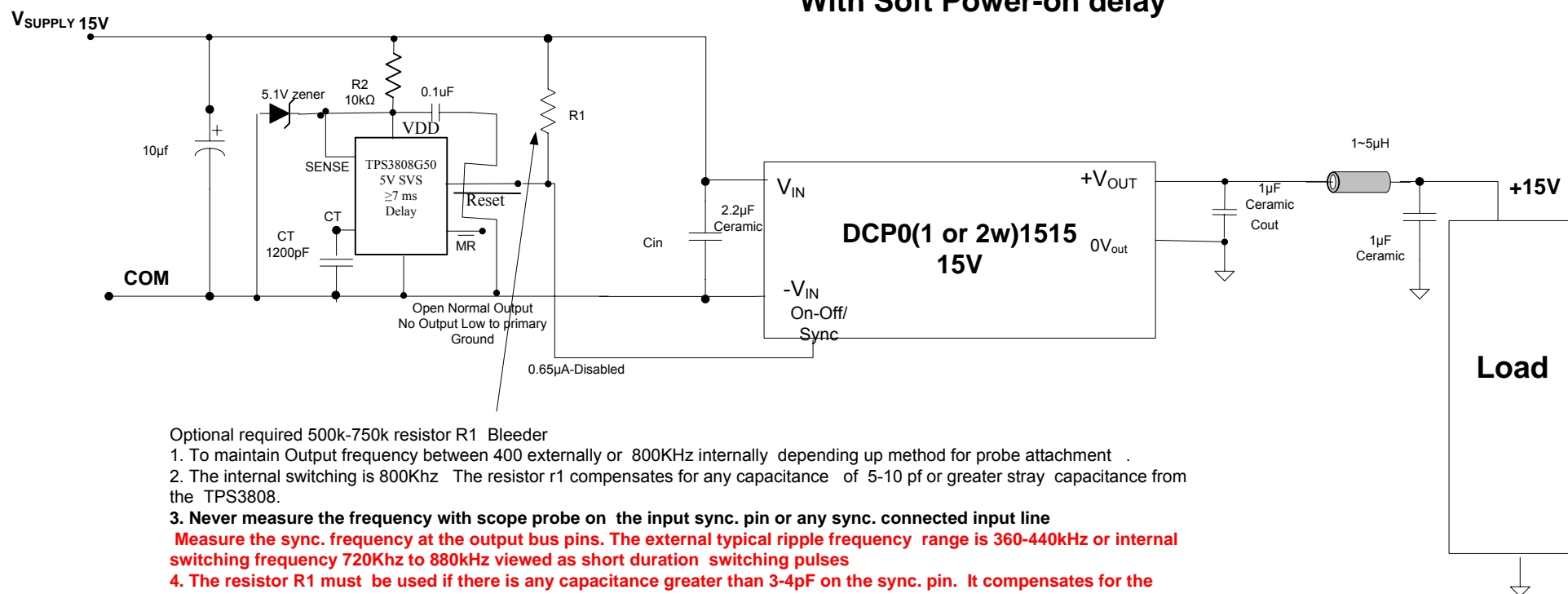


NOTE : Adding in SVS decreases in
rush current and its affect on the
power source during power-up mode
and its current sink capabilities dring
Dv/Dt transitions.

DCP01/02 Low Noise Power Supply 1W/2W With Soft Power-on delay



Optional required 500k-750k resistor R1 Bleeder

1. To maintain Output frequency between 400 externally or 800KHz internally depending up method for probe attachment .
2. The internal switching is 800Khz The resistor r1 compensates for any capacitance of 5-10 pf or greater stray capacitance from the TPS3808.

3. **Never measure the frequency with scope probe on the input sync. pin or any sync. connected input line**

Measure the sync. frequency at the output bus pins. The external typical ripple frequency range is 360-440kHz or internal switching frequency 720Khz to 880kHz viewed as short duration switching pulses

4. **The resistor R1 must be used if there is any capacitance greater than 3-4pF on the sync. pin. It compensates for the capacitive loading on the input sync. pin.**

The external ripple frequency should be limited to the 400Khz range or the 800Khz switching pulse frequency range with limits as stated above.

Ceramic Capacitors only Ouput
and input filters 1-2.2 µF

Ferrite bead 2773021447
Fair-Rite
or 1-5uH inductor

Open Normal Output
No Output Low to primary
Ground

Note:

Input Inductor recommended for attenuation input noise
Output inductors and ceramic capacitors suggested for Analog
low noise filter