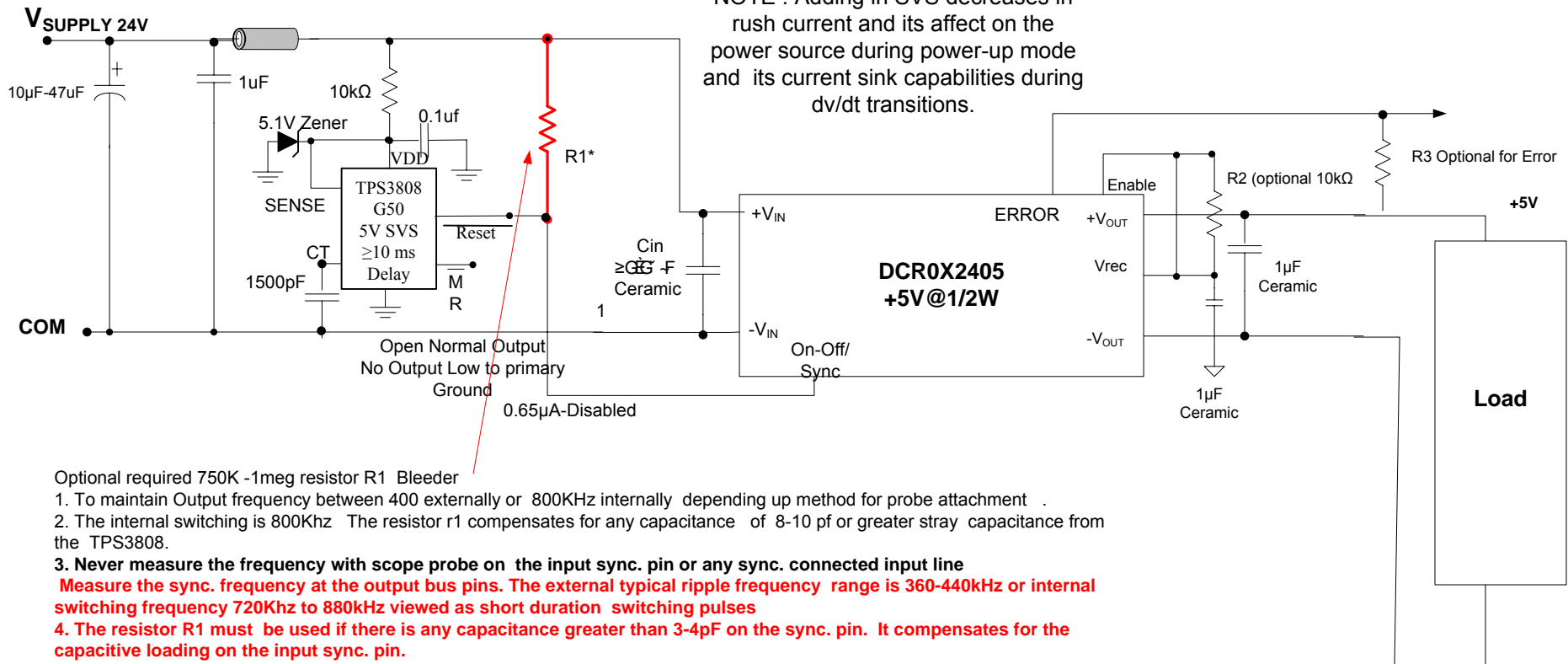



DCR01/02 24V Low Noise Power Supply 1W/2W With Soft Power-on delay

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



Optional required 750K -1meg 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 8-10 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
Output and input filters 1-2.2 µF

 Ferrite bead
2773021447 Fair-Rite
2673000701
or 1-5uH inductor

Note:

Optional Input Inductor recommended for attenuation input noise

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