

IEEE 802.3af DTE Power via MDI

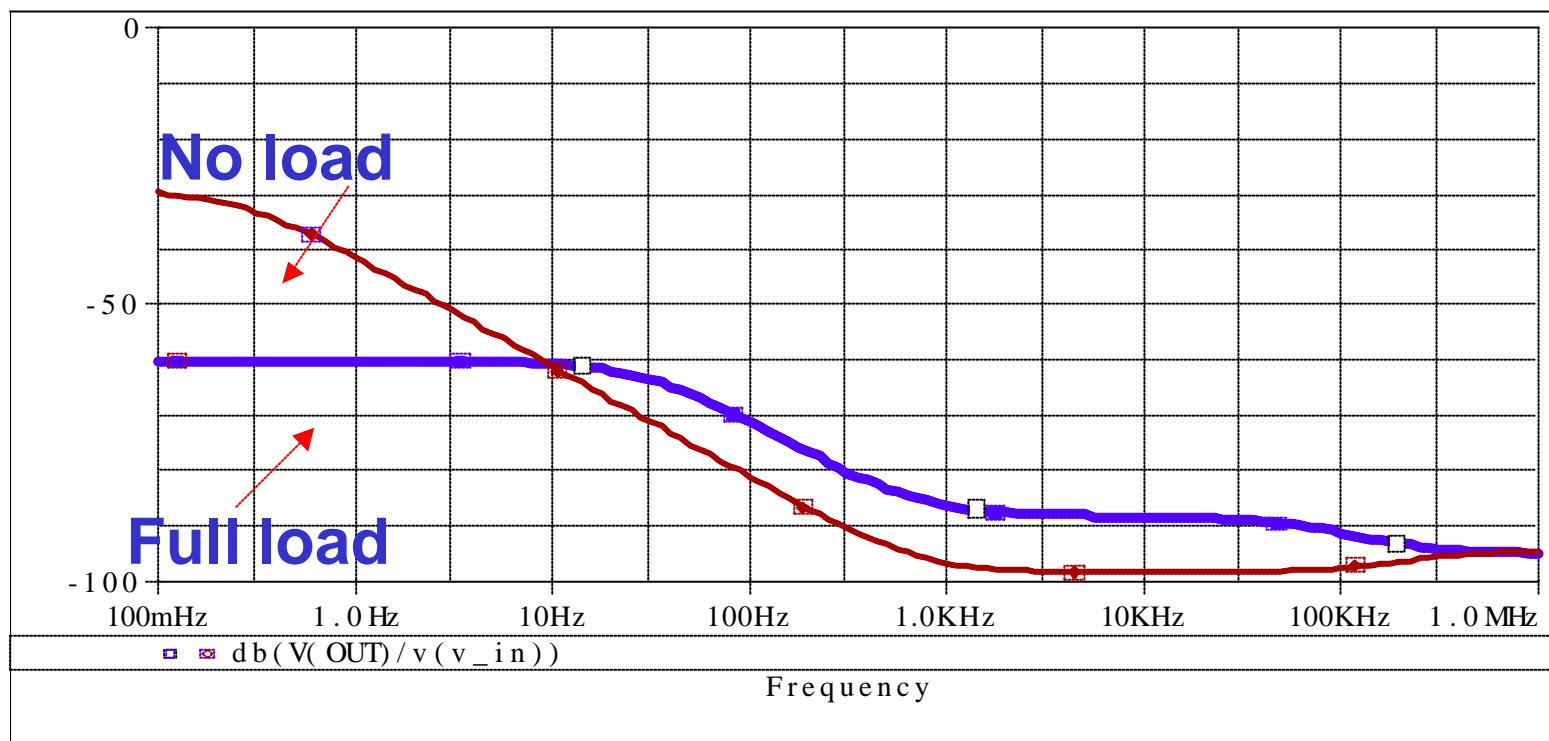
PD power supply output to input noise rejection ratio

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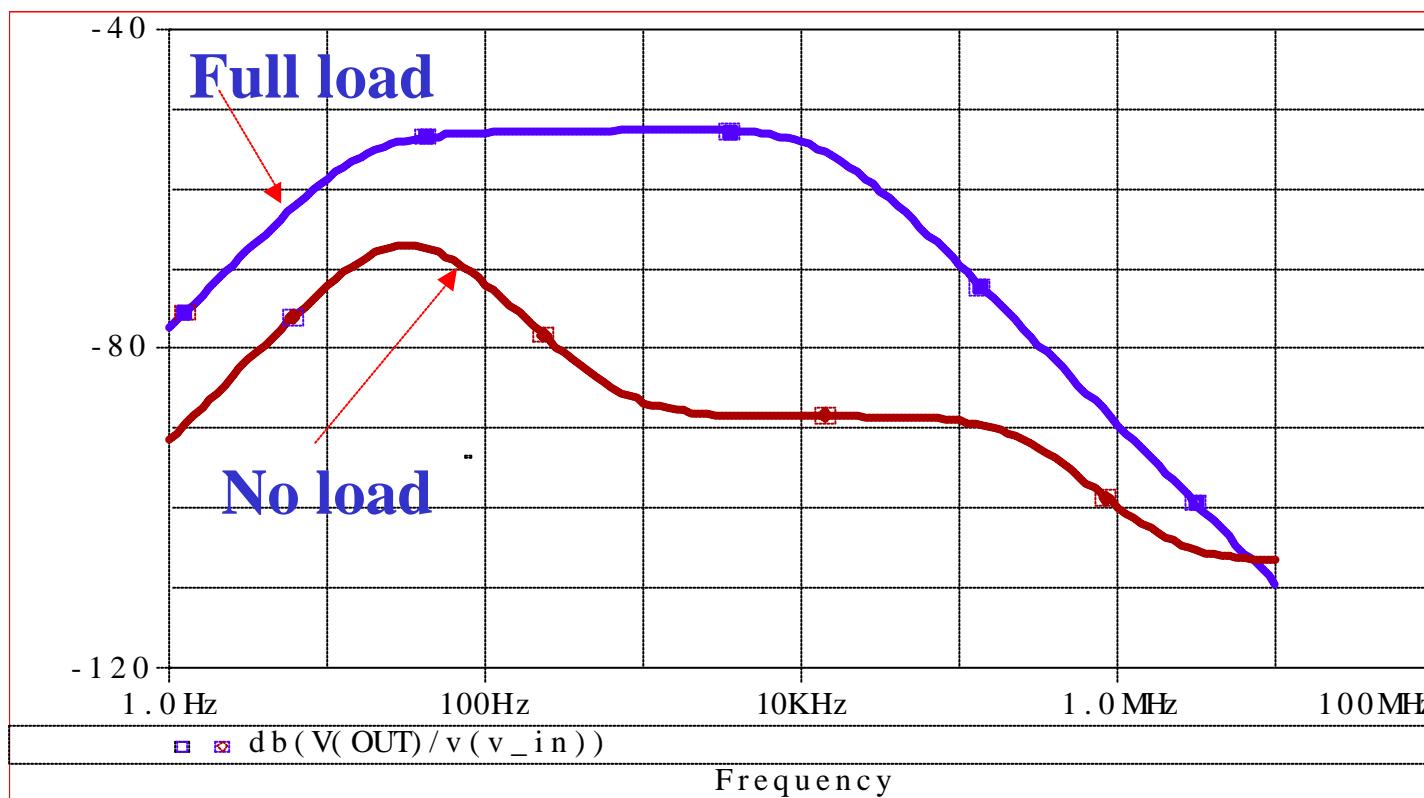
PD power supply output to input rejection. Yair Darshan, PowerDsine. March 2002.

PD Power supply Vout/Vin ripple rejection Flyback, Current Mode type



PD power supply output to input rejection. Yair Darshan, PowerDsine. March 2002.

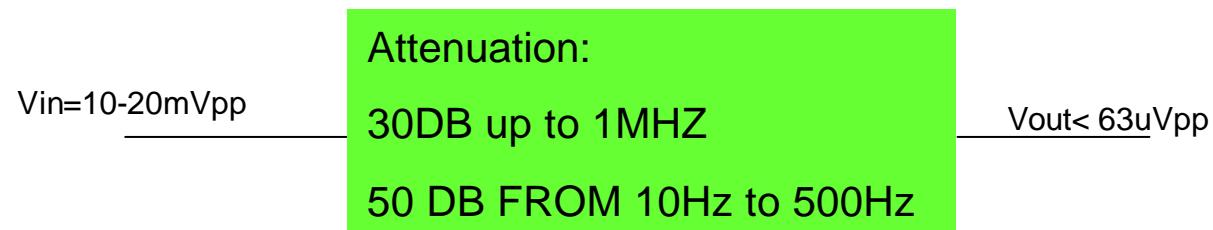
PD power supply ripple rejection ratio -Flyback, Voltage Mode type



PD power supply output to input rejection. Yair Darshan, PowerDsine. March 2002.

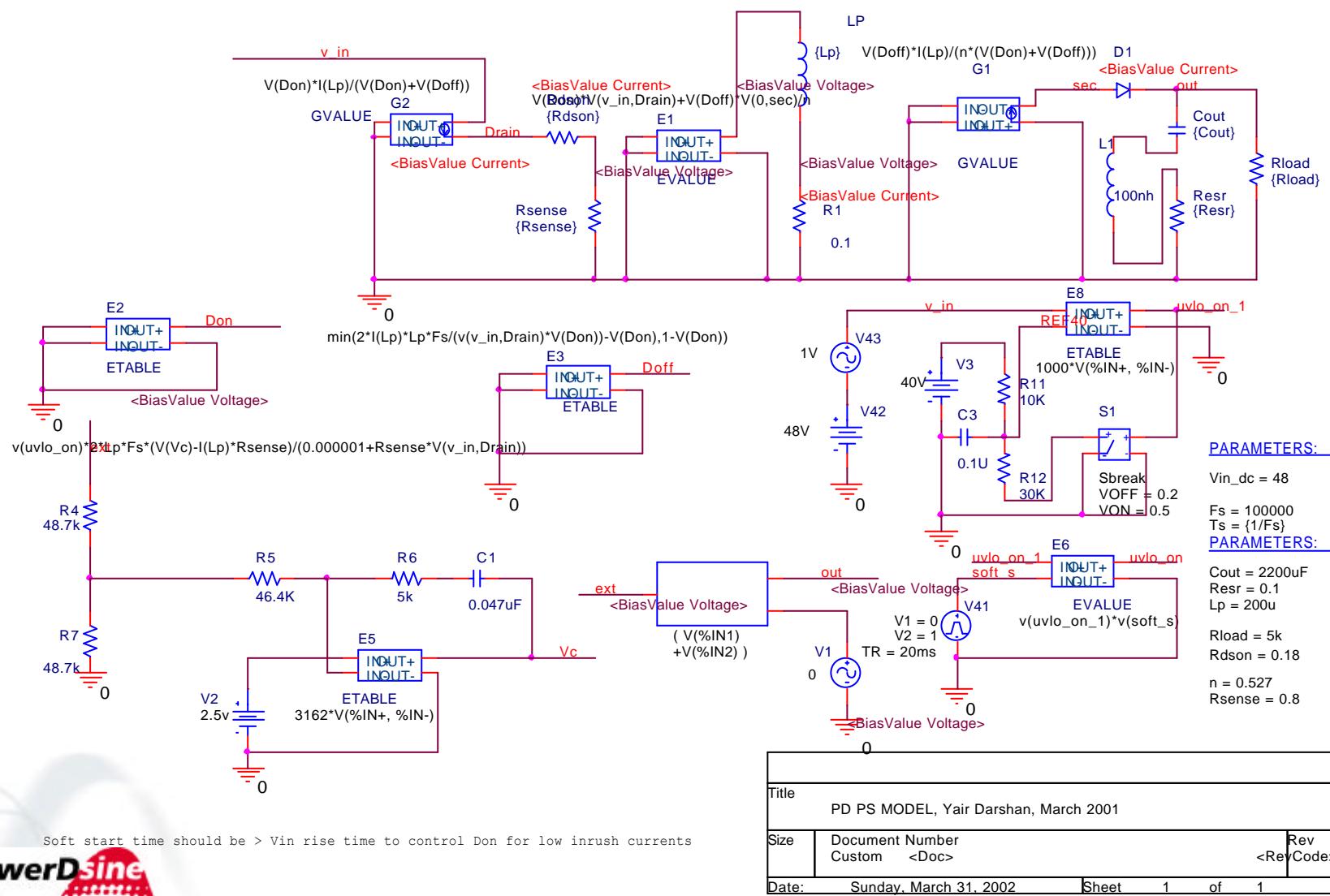
PD power supply ripple rejection ratio

- **Summary**
- Better than 30dB output to input rejection
- Better than 50dB output to input rejection at frequencies from 10Hz to 500Hz.
- With 10-20mV ac disconnect input signals, No audio interference is expected.



PD power supply output to input rejection. Yair Darshan, PowerDsine. March 2002.

PD power supply model



~~Soft start time should be > Vin rise time to control Don for low inrush currents~~

PD power supply output to input rejection. Yair Darshan, PowerDsine. March 2002

