5V Power Supply (2.5 Amps)

8V–30V Power In

Zener knee at 31–34V for 1 mA of current
15 Amps @ 45V

Plastic Standoffs
125 hole in board
DLWSPM-3–01–ND
7 cents each @ 1000

2.2 uF @ 50V 10%
Murata GRW3C5G7K25MK
0.10 Ω 2K Real Digkey

TPS5430 Enable must be driven by open drain

Vout = 1.22V + (1V / Res) + 1.3
15 mA shutdown 3 mA quiescent
.6V max operating
Floating "Enable" = ON
(must use open-drain driver)
Under-voltage lockout = 5.3V typ.

500 KHz nominal
Switching Frequency

Title: TS-781 8V – 30V Input; 5V output
Rev: Designer RLM Sheet 1 of 1

Technologic Systems Date June 10, 2007