



Discharge Time, 12.3V to 8V, 2.8W Load: 12.8 Seconds

Digi-Key shopping cart (includes all components except printed circuit board and M2.5 screws): <http://www.digikey.com/short/q3wfnq>

BILL OF MATERIALS:

Printed Circuit Board (PCB)
 C1-C4: Illinois Capacitor DGH255Q5R5 2.5F 5.5V Supercapacitor
 D1: Littelfuse, Inc. P6KE18CA 15.3VWM 25.2VC 600W TVS Diode (DO-15)
 D2-D4: SMC Diode Solutions 15SQ045TR 45V 15A Schottky Diode (R-6)
 J1-J4: TE Connectivity AMP 1217861-1 0.25" Quick Connect Tab
 J5 (x4): Panduit Corp DNFR18-250B-M 0.25" 90deg Crimp QC 18-22AWG
 R1: Bourns, Inc. PWR221T-30-10R0F 10-Ohm 30W Resistor (TO-220-2)
 R2-R5: Stackpole Electronics RNMF14FTC1K50 1.5k-Ohm 1/4W Resistor
 Box: Bud Industries CU-18425-B 2.76"Lx2.02"Wx1.65"H Flanged Snap Box
 Heatsink: Assmann WSW Components V7235-T TO-220 Heatsink
 Heatsink Screw: Keystone Electronics 9904 #6-32 x 3/8" Pan Head Machine Screw
 Heatsink Nut: Keystone Electronics 4701 #6-32 x 0.245" Hex Nut
 PCB Screws (x4): M2.5 x 6mm Self-Tapping or Sheet Metal Screws

Title: Voltage Slump Eliminator Based on a design by Eric M. Jones for the AeroElectric List forum		Rev: D
Date: 06 Dec 2017		Size: 11x8.5
Drawn by: EP		
Sheet: 1	of 1	

