



Vin	Iin	Vout	Iout	Efficiency
16.67	0.09311	-182.6	0.006066	0.714
15.05	0.1040	-182.6	0.006066	0.708
13.33	0.1153	-182.6	0.006066	0.721
		56mVpp		

BILL OF MATERIALS
13.5V to 16.5V Input
-180V @ 5mA Output
12/19/01

1847-180

DESIGNATION	QTY	DESCRIPTION
C1	1	0.47uF ceramic capacitor (0805)
C2	1	0.22F ceramic capacitor (0805)
C3	1	39pF ceramic capacitor (0805)
C4	1	0.1uF ceramic capacitor (0805)
C5	1	4.7uF 25V ceramic capacitor (1210) Taiyo Yuden TMK325BJ475MN
C6	1	1nF ceramic capacitor (0805)
C7	1	470pF ceramic capacitor (0805)
C8,C9	2	0.1uF 200V PEN film capacitor (2420) Panasonic ECWU2104JC9
D1	1	1.5A 100V Schottky diode International Rectifier 10MQ100N
D2	1	1A 400V Ultrafast recovery diode Central Semi CMR1U-04
L1	1	330uH Inductor Coilcraft 1008PS-334M
P1	1	0.6 Ohm -100V P-ch MOSFET (D-PAK) International Rectifier IRFR9120
R1	1	1M Ohm 5% resistor (0603)
R2	1	100k Ohm 5% resistor (0603)
R3	1	150k Ohm 5% resistor (0603)
R4	1	33k Ohm 5% resistor (0603)
R5	1	68k Ohm 5% resistor (0603)
R6	1	100 Ohm 5% resistor (0603)
R7	1	0.1 Ohm 1% 0.5W resistor (2010)
R8	1	402k Ohm 1% resistor (1206)
R9	1	2.74k Ohm 1% resistor (0603)
T1	1	1:2 Power transformer Lpri = 48.8uH Coiltronics VP1-0190
U1	1	MAX1847EEE (16-QSOP)