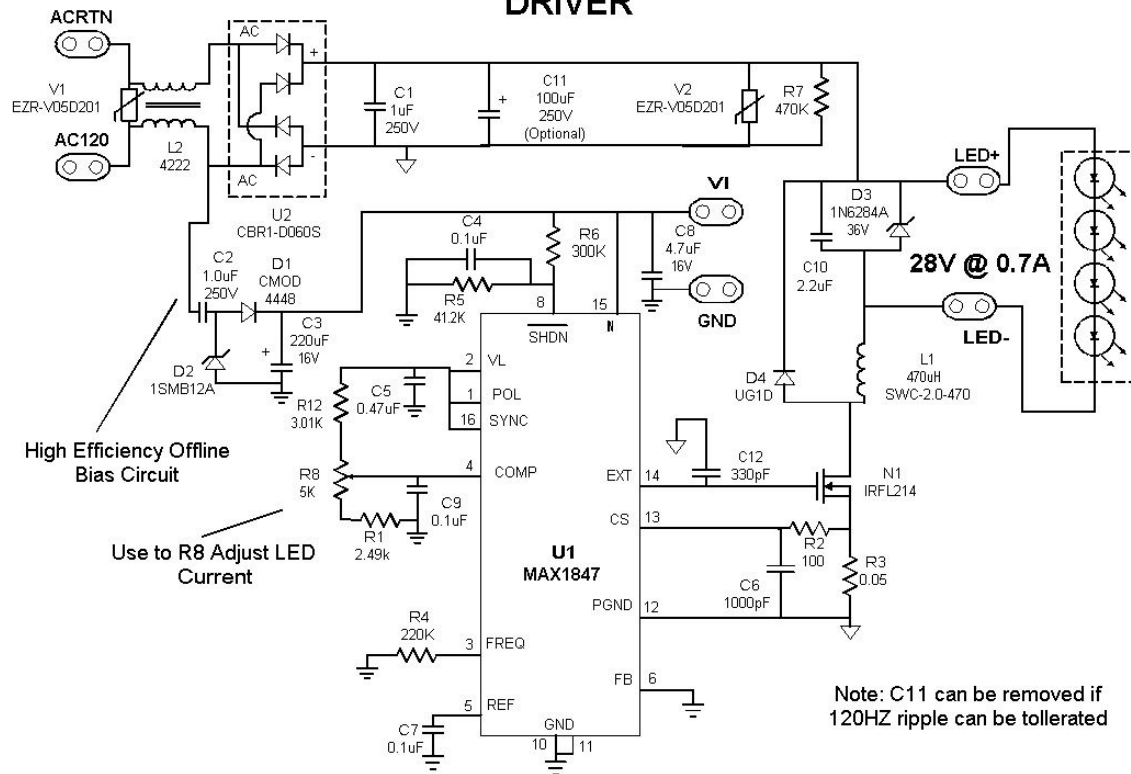


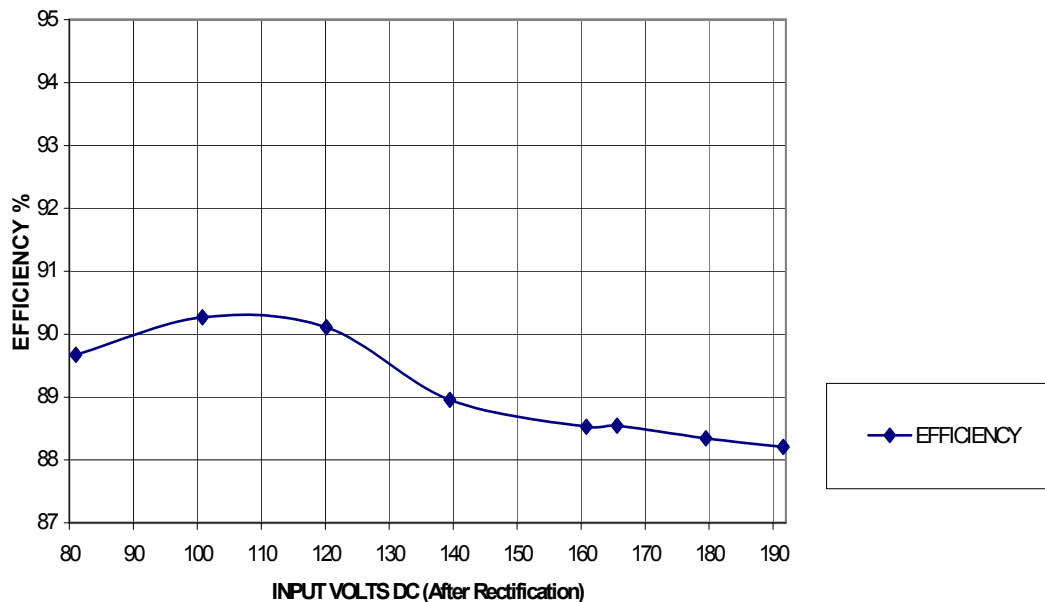
(Note: This file has been updated, 8/29/05)

OFFLINE LED DRIVER



Vin (DC)	lin (DC)	Vout	Iout1	Pin	Pout	Loss	Eff
81	0.274	28.03	0.71	22.194	19.9013	2.2927	89.66973
100.8	0.217	27.81	0.71	21.8736	19.7451	2.1285	90.26909
120.2	0.185	27.83	0.72	22.237	20.0376	2.1994	90.10928
139.5	0.162	27.92	0.72	22.599	20.1024	2.4966	88.95261
160.8	0.144	28.08	0.73	23.1552	20.4984	2.6568	88.52612
165.6	0.14	28.12	0.73	23.184	20.5276	2.6564	88.5421
179.5	0.13	28.24	0.73	23.335	20.6152	2.7198	88.34455
191.6	0.124	28.32	0.74	23.7584	20.9568	2.8016	88.20796

OFFLINE LED DRIVER
120AC INPUT 28V @0.7A DC OUTPUT
MAX1847



MAX1847 OFFLINE LED DRIVER
120VAC Input
28V @ 0.7A Output
01/14/05

DESIGNATION	QTY	DESCRIPTION
C12	1	330pF Ceramic Cap. NPO (0603)
C6	1	1000pF Ceramic Cap. NPO (0603)
C4, C7, C9	3	0.1uF 16V X7R Ceramic Cap. (0603) Taiyo Yuden EMK107BJ104MA
C5	1	0.47uF 10V X7R Ceramic Cap. (0603) Taiyo Yuden LMK107BJ474MA
C1, C2	2	1.0uF 250V X7R Ceramic Cap. (1812) TDK C5750X7R2E105M
C10	1	2.2uF 35V X5R Ceramic Cap. (1210) Taiyo Yuden GMK325BJ225MN
C8	1	4.7uF 16V X5R Ceramic Cap. (1206) Taiyo Yuden EMK316BJ475ML
C11	1	100uF 250V Electrolytic Cap. Sanyo 250MV100FAZ (Optional if 120HZ)

		ripple can be tollerated)
C3	1	220uF 16V Electrolytic Cap. Sanyo 16MV220AX
D1	1	Diode, 100V 0.15A (SOT-23) Central Semi, CMOD 4448
D2	1	Transorb, 12V (SMB) Central Semi, 1SMB12A
D3	1	Transorb, 36V (1.5KE) General Semi, 1N6284A
D4	1	Diode, 200V 1A (DO-41) General Semi, UG1D
D5-D8	4	LED White, 5W, 700mA, 7 Volt Luxeon LXHL-LW6C
L1	1	470uH, 2A Inductor, Toroid, Powder Iron Talema, SWC-3.0-470
L2	1	Inductor, Common Mode Delevan, 4222
N1	1	250V 2.5 Ohm N-Channel (SOT-223) International Rec, IRFL214
R3	1	0.05 Ohm 1% resistor (0805) Dale WSL0805 0.05 1.0%
R2	1	100 Ohm 1% resistor (0805)
R1	1	2.49k Ohm 5% resistor (0805)
R12	1	3.01 Ohm 5% resistor (0805)
R8	1	5k Potentimoeter, 10T
R5	1	41.2k Ohm 1% resistor (0805)
R4	1	220k Ohm 1% resistor (0805)
R6	1	300k Ohm 1% resistor (0805)
R7	1	470k Ohm 5% resistor (0.25W)
U1	1	High Efficiency, Current-Mode PWM Controller (16 QSOP) Maxim MAX1847EEE
U2	1	Rectifier, Bridge, 600V, 0.5A Central Semi CBR1-D060S
V1, V2	2	Metal-Oxide Varistor 130VAC Panasonic, EZR-V05D201