

REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	05/10/2017

SAFETY STANDARDS COMPLIANCE:
UL8750

SAFETY CERTIFICATIONS
UL, cUL E326521
CB DK-49933-UL
EMC CE140313C01A
FCC FV140313C01A
IP66

EMI STANDARDS:
FCC 47 CFR PART 15 CLASS B
CE EN55022, EN55011 CLASS B
EN61000-4-2,3,4,5,6,8,11

INPUT RANGE:
100 - 277 VAC, 1.5-0.75 A @ FULL LOAD.

FREQUENCY: 47 - 63 Hz. PF: >0.9
EFFICIENCY: 85 % Typ. LEAKAGE CURRENT:
PEAK INRUSH: < 0.75mA @ 230VAC
<20 AMPS @ 115V AC SURGE: ±6KV (@8/20uSec)
<40 AMPS @ 230V AC

LOAD CAPACITY: 84 WATTS
OUTPUT MIN MAX LOAD REG
1500mA 30.0 VOLTS 56.0 VOLTS +5%/-5%

EFFECTIVE LOAD RANGE:
THD<20%, PF>0.9

AC INPUT	MINIMUM LOAD
115Vac	60W
230Vac	60W
277Vac	80W

COOLING: CONVECTION

PROTECTION:

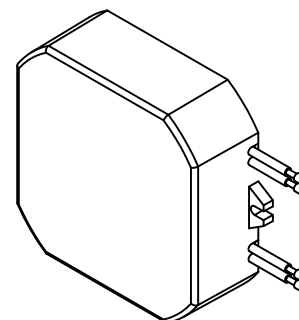
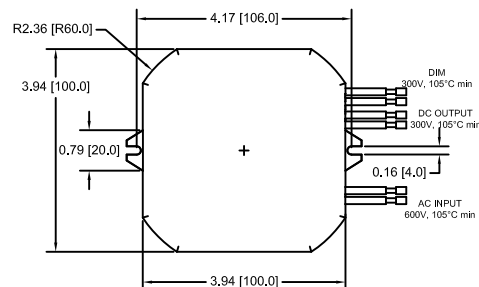
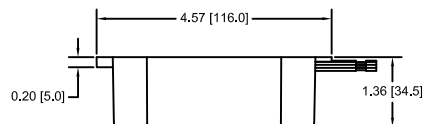
NOISE LEVEL: 0 dB

OCP,SCP,OVP,OTP
AUTO-RECOVERY

RELIABILITY (MTBF): (MIL-HDBK-217E)
50,000 HRS. @ Ta:50 DEG. C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
LOWEST OPERATING TEMPERATURE: -40°C: Tc=90°C
RELATIVE HUMIDITY: 5 ~ 95%
LOCATION: DRY OR DAMP

CONNECTOR:



MAGTECH Magtech Industries Corp
www.magtechind.com
LED Driver, Isolated, Class 2 Output
Constant Current

MODEL: LP1096-48-C1500-010V RoHS
AC INPUT: 100-277Vac/1.5-0.75A,
50/60Hz
DC OUTPUT: 30-56VDC / 1500mA
(Con. Current)
maximum output voltage: 56VDC
MAX. 84WATTS
P/N: 20-4623 REV: A
S/N: 1609259667

AC INPUT
L -- BLACK
N -- WHITE

DC OUTPUT Dimming
+ -- RED Purple: D+
- -- BLACK Yellow: 10V
Gray: D-

For dry & damp Locations only

MADE IN TAIWAN

CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC	--	BLACK	LINE	18	
IN	--	WHITE	NEUTRAL	18	
DC	--	RED	+V	18	6.5 [165]
OUT	--	BLACK	GND	18	±0.5 [±13]
	--	PURPLE	DIM+	22	
DIM	--	GRAY	DIM-	22	
	--	YELLOW	+10V	22	

Notes:

- 1.- 5 yrs warr provided Tc point remains below 80°C.
- 2.- Start up time: <0.5 second at 120Vac input.
- 3.- Dimming: 0-10V Dimming, driver will not dim to off.

MANUFACTURED BY: HIGH PERFECTION TECHNOLOGY

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UNLESS OTHERWISE SPECIFIED	QC:	MAGTECH	
DIMENSIONS IN INCHES (MM)			
TOLERANCES:			
.X DECIMALS±	.05 (1.3)		
.XX DECIMALS±	.02 (0.5)		
.XXX DECIMALS±	.005 (0.13)		
ANGLES±	1°		
FRACTIONS±	1/16		
DO NOT SCALE THIS DRAWING	APPROVAL DATE: 05/17/2017	MODEL NO.	DWG NO.
INTERPRET DRAWING PER ANSI Y14.5M	EFFECTIVE DATE: 05/10/2017	LP1096-48-C1500-010V	M20-4623
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