20-3110 A

SAFETY

SAFETY STANDARDS COMPLIANCE:

CE EN 50082-1
UL1310, CLASS 2

EMI STANDARDS:
FCC 47 CFR PART 15 CLASS A

SAFETY CERTIFICATIONS
UL E234571

INPUT

INPUT RANGE: AC 115/230V, Full Range.
100 - 240 VAC, 1.0 A @ FULL LOAD.

FREQUENCY: 47 - 63 Hz.

EFFICIENCY: 80 % Typ.

PEAK INRUSH:
40 AMPS @ 115V AC
20 AMPS @ 230V AC

OUTPUT

LOAD CAPACITY: 50 WATTS

OUTPUT	MIN	MAX	LOAD REG	MAX. RIP
+24V	0.3 AMPS	1.2 AMPS	+3%/-3%	240mV p/p
+15V	0.0 AMPS	0.8 AMPS	+3%/-3%	200mV p/p

CONSTANT CURRENT MODE
1.2A 14.0 VOLTS 23.0 VOLTS +5%/-0%

PROTECTION:
BOTH OUTPUTS (+15V & +24V)
1.- OVP: 120% TO 150%
2.- OPP: 120% TO 150%
3.- SHORT CIRCUIT PROTECTION
+24V OUTPUT ONLY
1.- UVP: 13.5V TYP.
NOTE: ALL PROTECTION SHALL AUTO RECOVER UPON THE REMOVE OF FAULT CONDITION.

MISCELLANEOUS

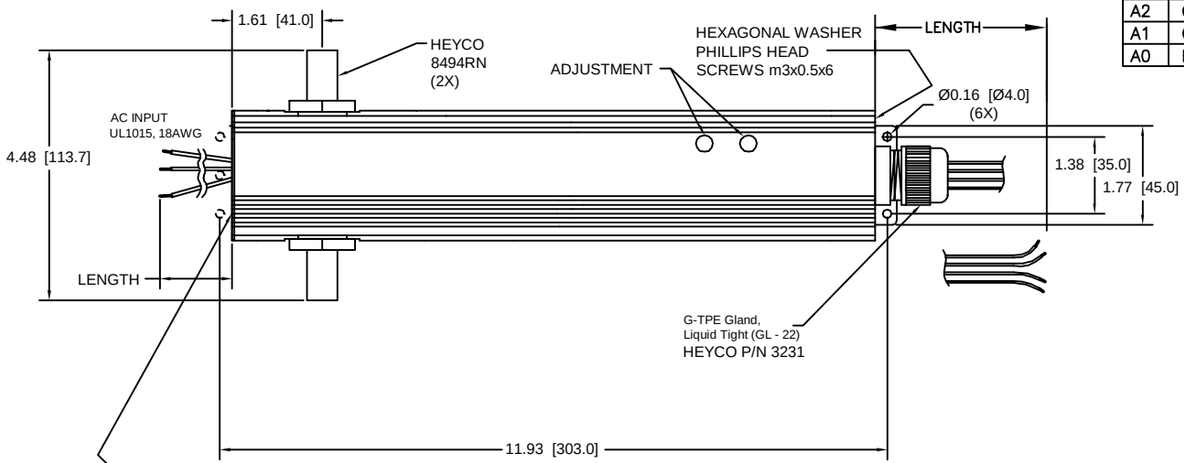
COOLING: CONVECTION

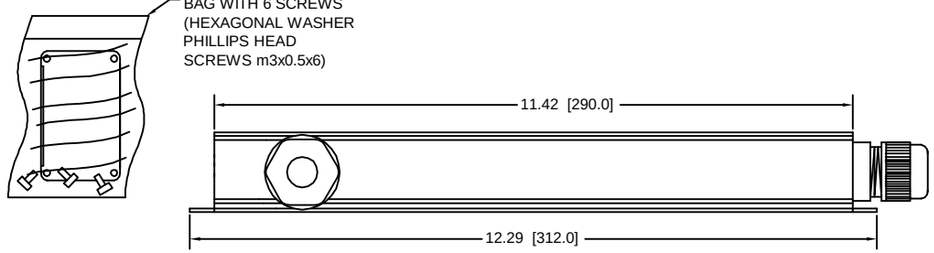
NOISE LEVEL: 0 dB

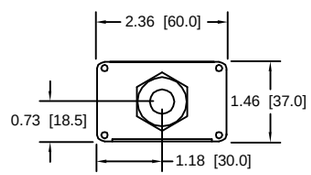
RELIABILITY (MTBF): (MIL-HDBK-217E)
100,000 HRS. @ 25 DEG. C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
OPERATING TEMPERATURE: -10 ~ 50°C
RELATIVE HUMIDITY: 5 ~ 95%

CONNECTOR:







CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	---	BLACK	LINE	18	3.4 [85] ±1.0 [±25]
	---	WHITE	NEUTRAL	18	
	---	GRN/YEL	AC GND	18	
DC OUT	---	YELLOW	+15V	20	3.9 [100] ±1.0 [±25]
	---	BLACK	GND	20	
	---	GRAY	+24V	20	
	---	BLACK	GND	20	

REVISIONS		
REV	DESCRIPTION	DATE
A3	CHANGED PER DCO C03-006	10/31/2003
A2	CHANGED PER DCO C03-004	7/16/2003
A1	CHANGED PER DCO C03-002	4/11/2003
A0	RELEASE TO PRODUCTION	3/4/2003

MANUFACTURED BY: HIGH PERFECTION TECHNOLOGY CO., LTD. CN-0122

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UNLESS OTHERWISE SPECIFIED
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
INTERPRET DRAWING PER ANSI Y14.5M

APPROVAL DATE	11/5/2003
EFFECTIVE DATE	10/31/2003
CHECKED BY	
APPROVED BY	

MAGTECH

TITLE: LP2046-BG, STD

MODEL NO.	DWG NO.	REV.	SH	OF
LP2046-BG-290	M20-3110	A3	1	1

FORM PF-0004

11/5/2003 11:17:15 AM